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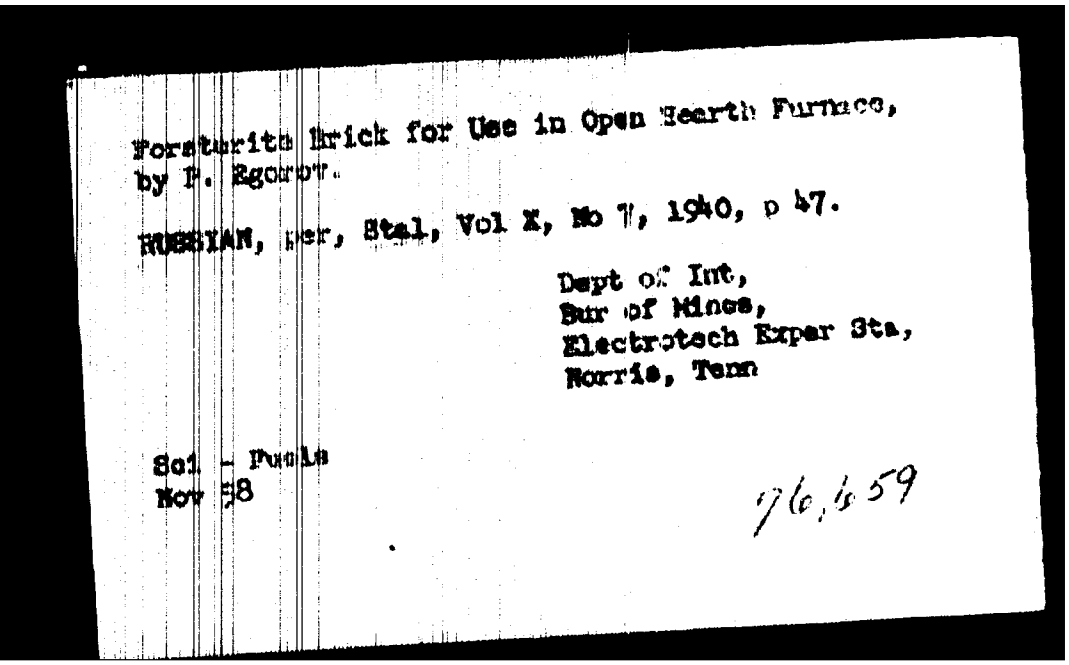

Forsterite Brick for Use in Open Hearth Furnace,
by P. Egorov.

RUSSIAN, Ogneupory, Stal, Vol X, No 7, 1940, p 47.

Dept of Int,
Bur of Mines,
Electrotech Exper Sta,
Norris, Tenn

Sol - Furnis
Nov 58

76,459

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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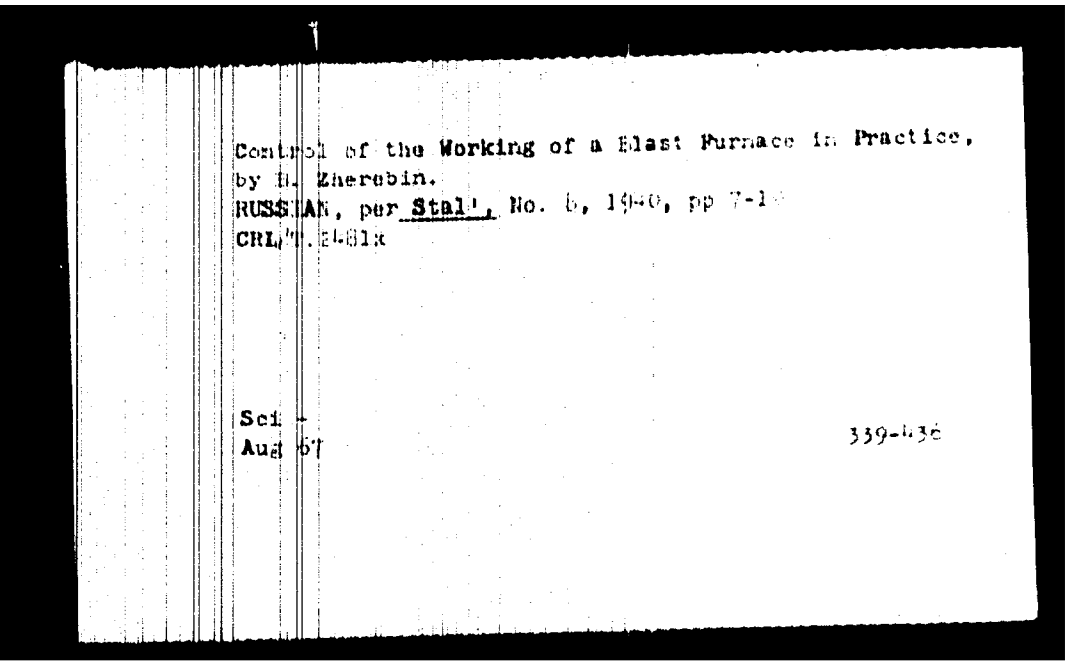

Control of the Working of a Blast Furnace in Practice,
by N. Zherebin.
RUSSIAN, per Stal', No. 6, 1940, pp 7-1
CRL T.2481x

Sci -
Aug 67

339-436

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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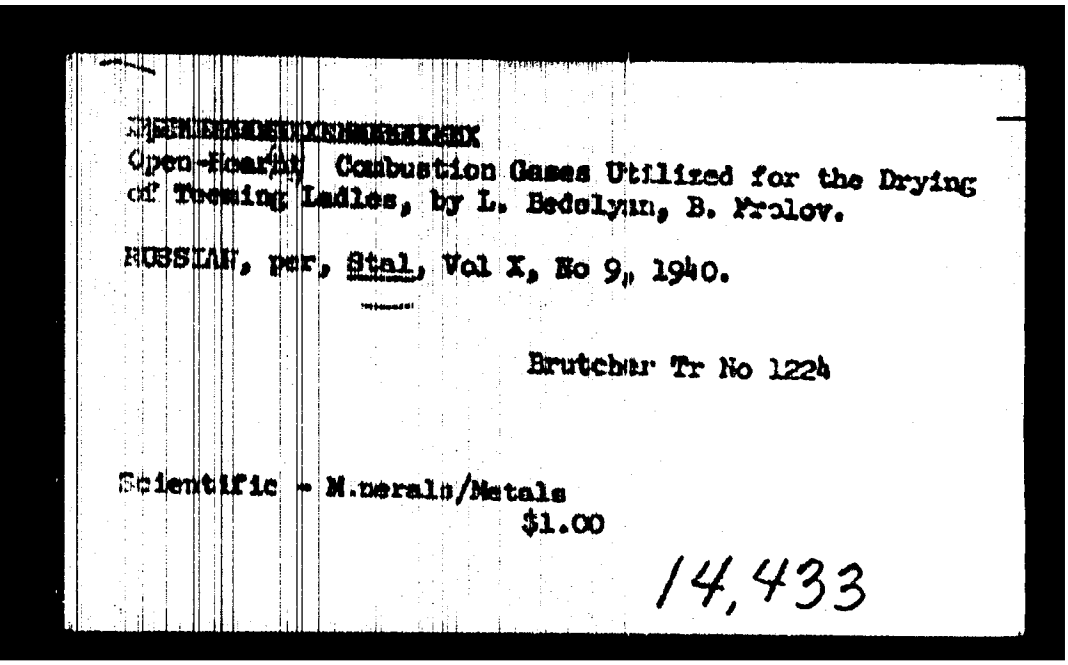

[redacted]
Open-Hearth Combustion Gases Utilized for the Drying of Teeming Ladles, by L. Bedolyan, B. Frolov.

RUSSIAN, per, Stal, Vol X, No 9, 1940.

Brutcher Tr No 1224

Scientific - Minerals/Metals
$1.00

14,433

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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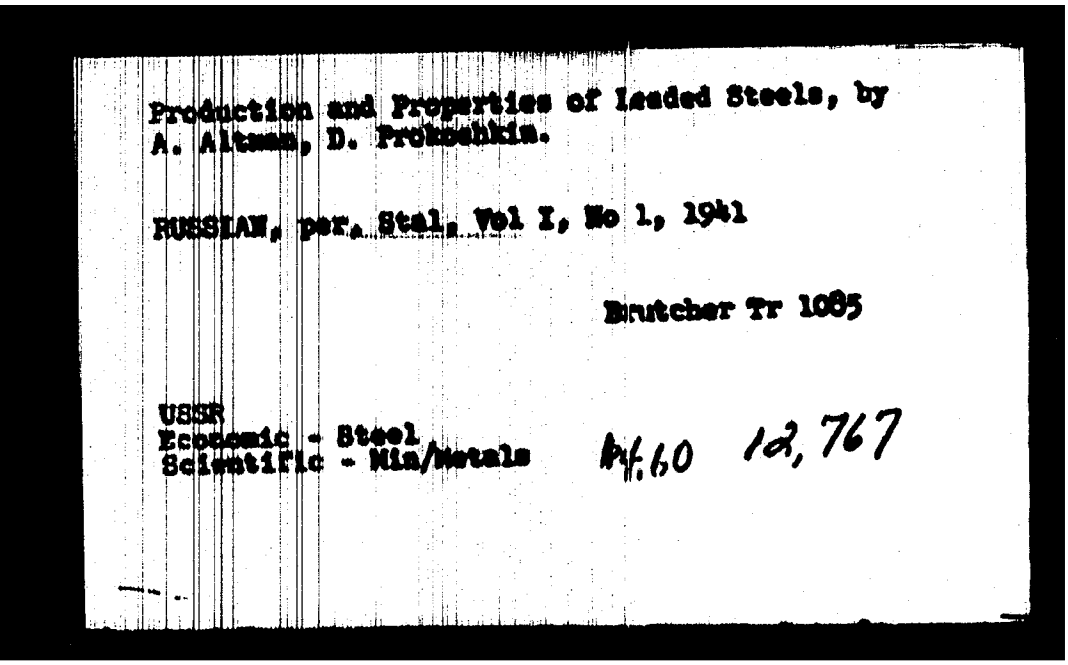

Production and Properties of Leaded Steels, by
A. Altman, D. Prokoshkin.

RUSSIAN, per. Stal, Vol I, No 1, 1941

Brutcher Tr 1085

USSR
Economic - Steel
Scientific - Min/Metals

M4.60 12,767

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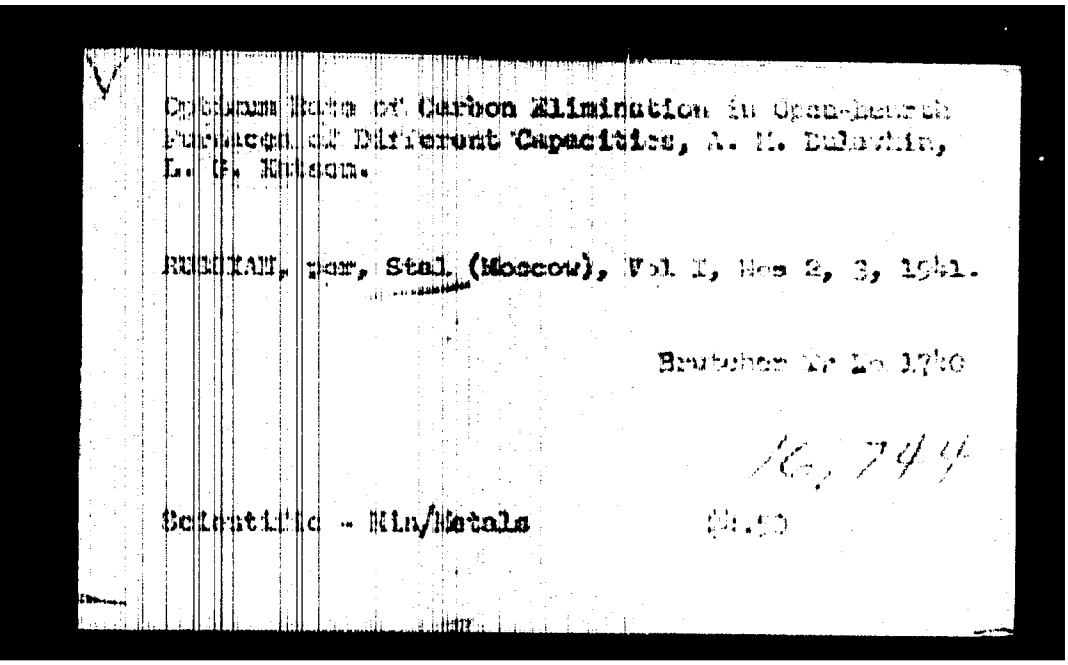

Optimum Rate of Carbon Elimination in Open-Hearth Furnaces of Different Capacities, A. M. Dubrovin, L. F. Mikhin.

RUDNYY, per, Stal (Moscow), Vol I, Nos 2, 3, 1941.

Bruchner Nr Lo 1730

12, 794

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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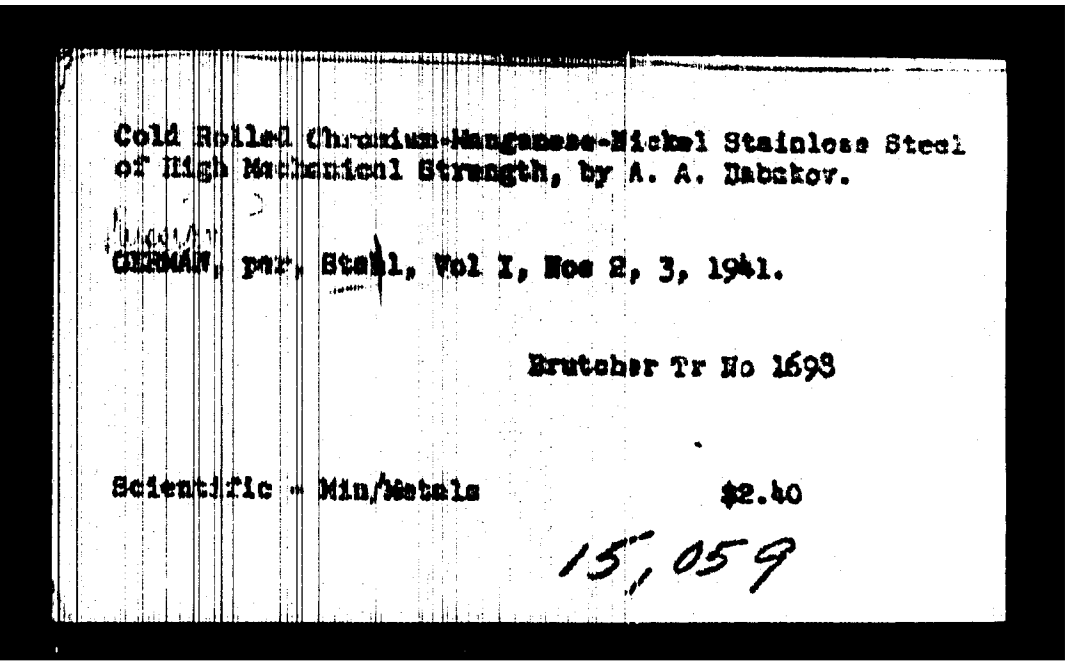

Cold Rolled Chromium-Manganese-Nickel Stainless Steel of High Mechanical Strength, by A. A. Dabkov.

GERMAN, per. Stahl, Vol I, Nos 2, 3, 1941.

Brutcher Tr No 1698

Scientific - Min/Metals $2.40

15,059

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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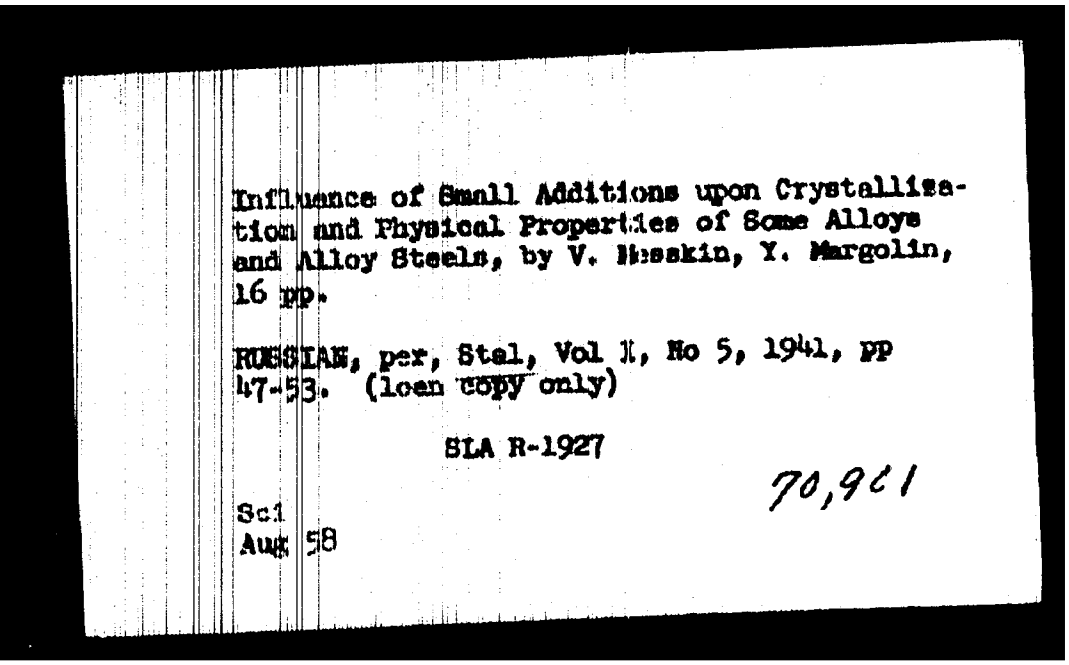

Influence of Small Additions upon Crystallisation and Physical Properties of Some Alloys and Alloy Steels, by V. Nesskin, Y. Margolin, 16 pp.

RUSSIAN, per, Stal, Vol X, No 5, 1941, pp 47-53. (loan copy only)

SLA R-1927

70,961

Sci
Aug 58

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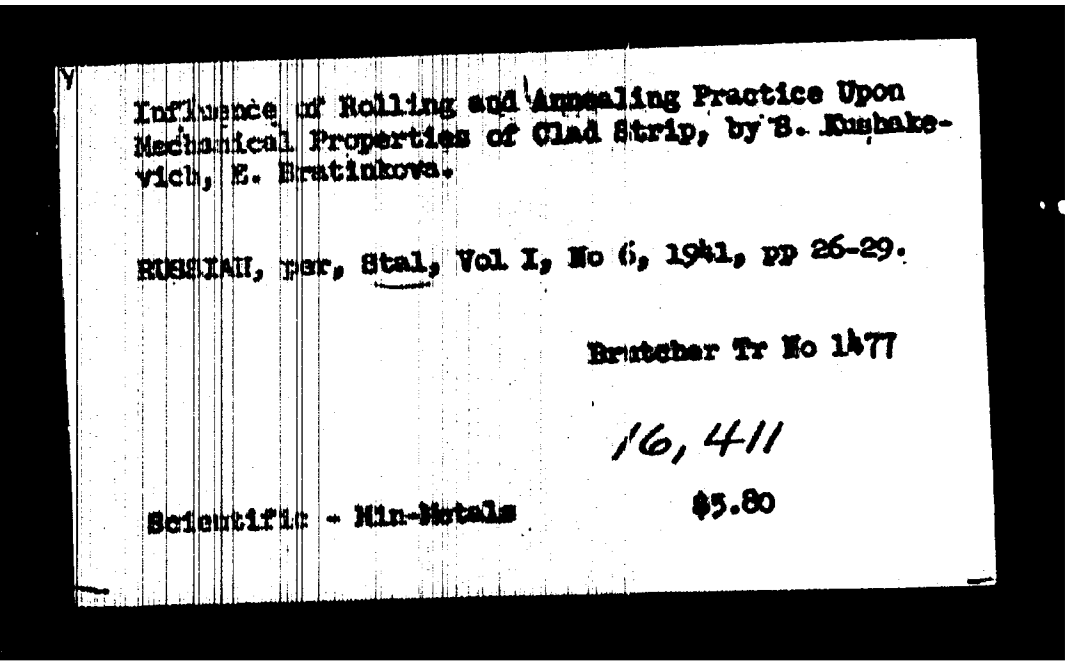

Influence of Rolling and Annealing Practice Upon Mechanical Properties of Clad Strip, by B. Kuzhakevich, E. Bratinkova.

RUSSIAN, Per, Stal, Vol I, No 6, 1941, pp 26-29.

Brutcher Tr No 1477

16,411

Scientific - Min-Metals

$5.80

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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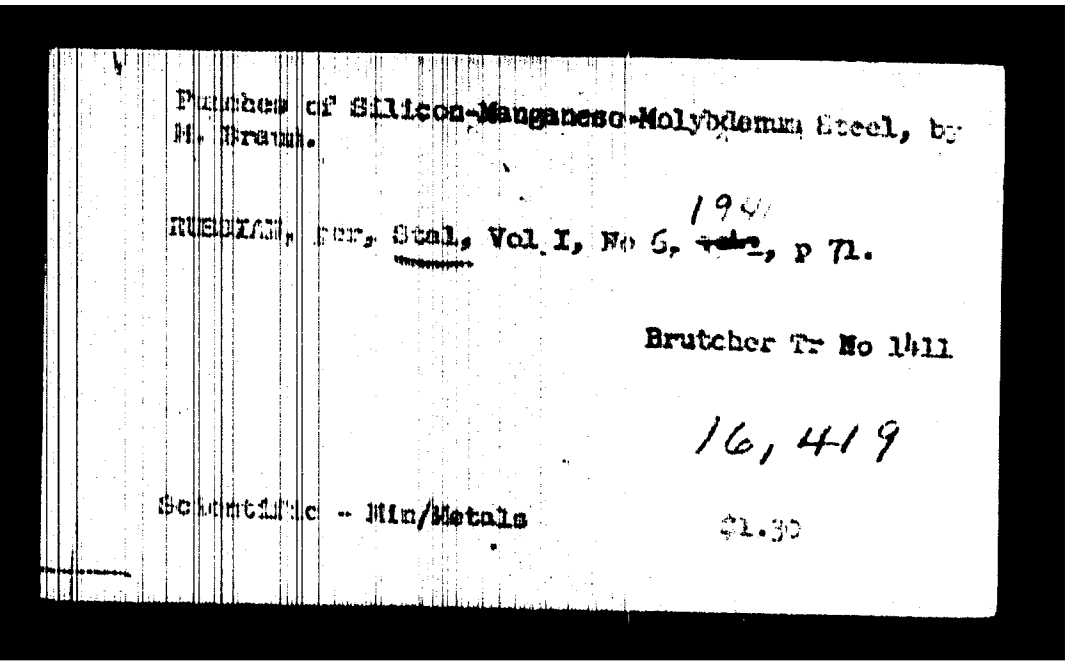

Number of Silicon-Manganese-Molybdenum Steel, by H. Braun.

RUSSIAN, Iron, Steel, Vol I, No 6, 1940, p 71.

Brutcher Tr No 1411

16,419

Scientific - Min/Metals

$1.30

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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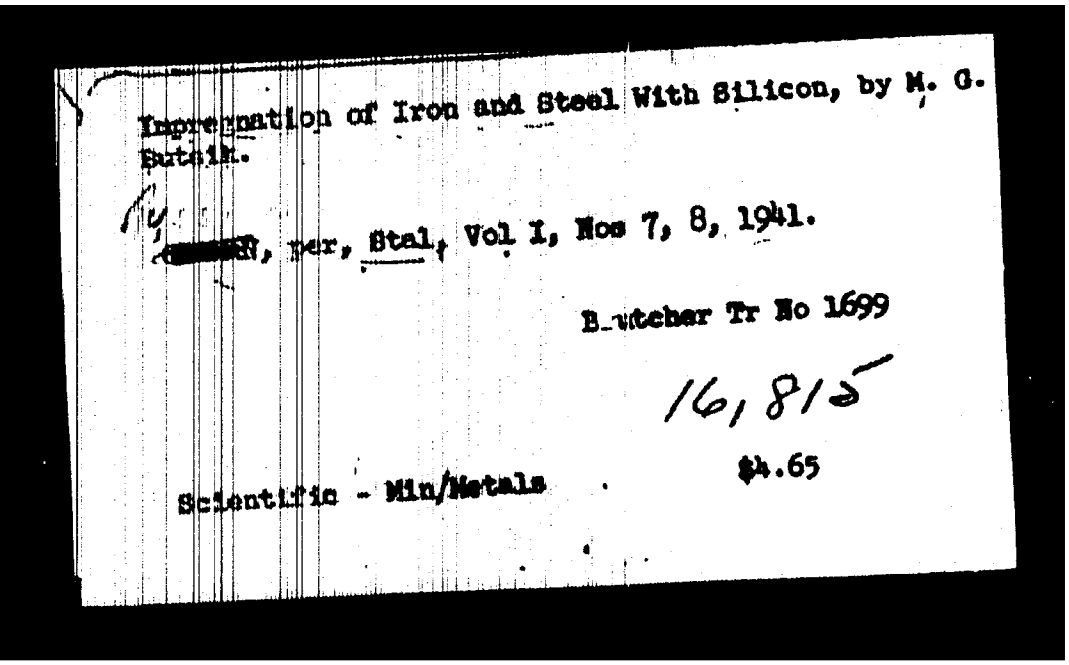

Impregnation of Iron and Steel With Silicon, by M. G. Sutain.

[redacted], per, Stal, Vol I, Nos 7, 8, 1941.

Butcher Tr No 1699

16,815

$4.65

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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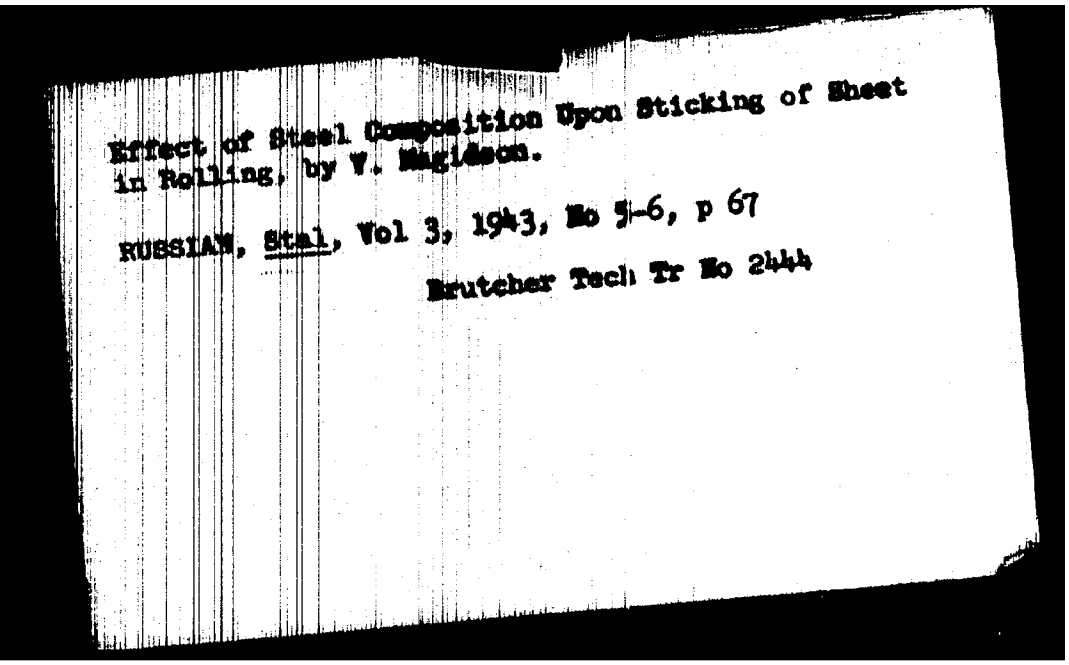

Effect of Steel Composition Upon Sticking of Sheet in Rolling, by V. Magidson.

RUSSIAN, Stal, Vol 3, 1943, No 5-6, p 67

Brutcher Tech Tr No 2444

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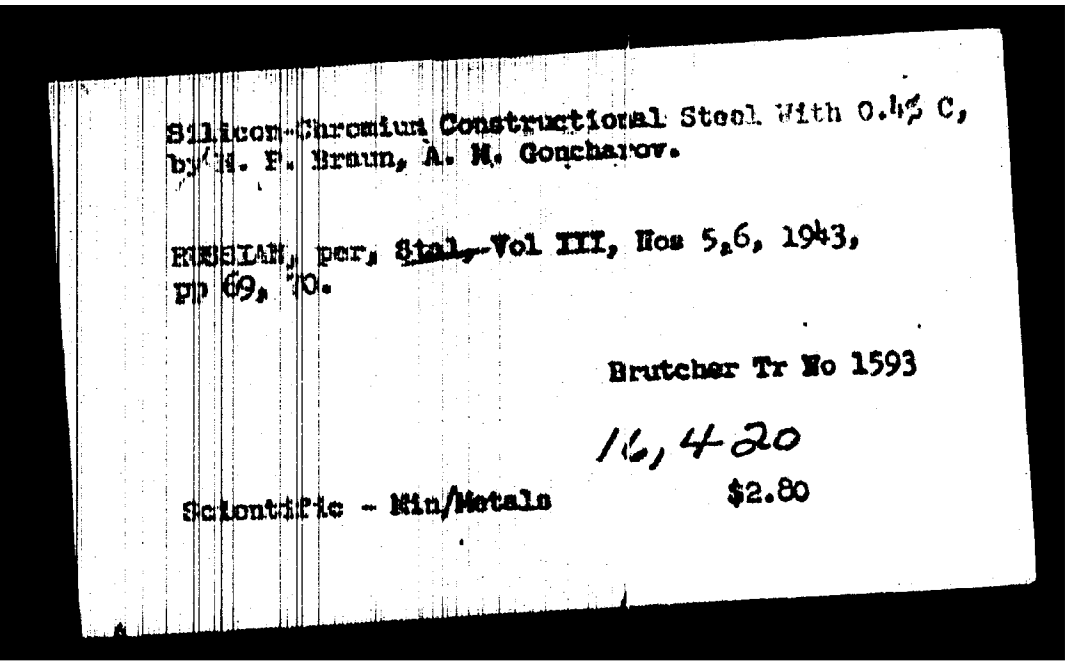

Silicon-Chromium Constructional Steel With 0.4% C,
by M. F. Braun, A. M. Goncharov.

RUSSIAN, per, Stal, Vol III, Nos 5,6, 1943,
pp 69, 70.

Brutcher Tr No 1593

16,420

Scientific - Min/Metals $2.80

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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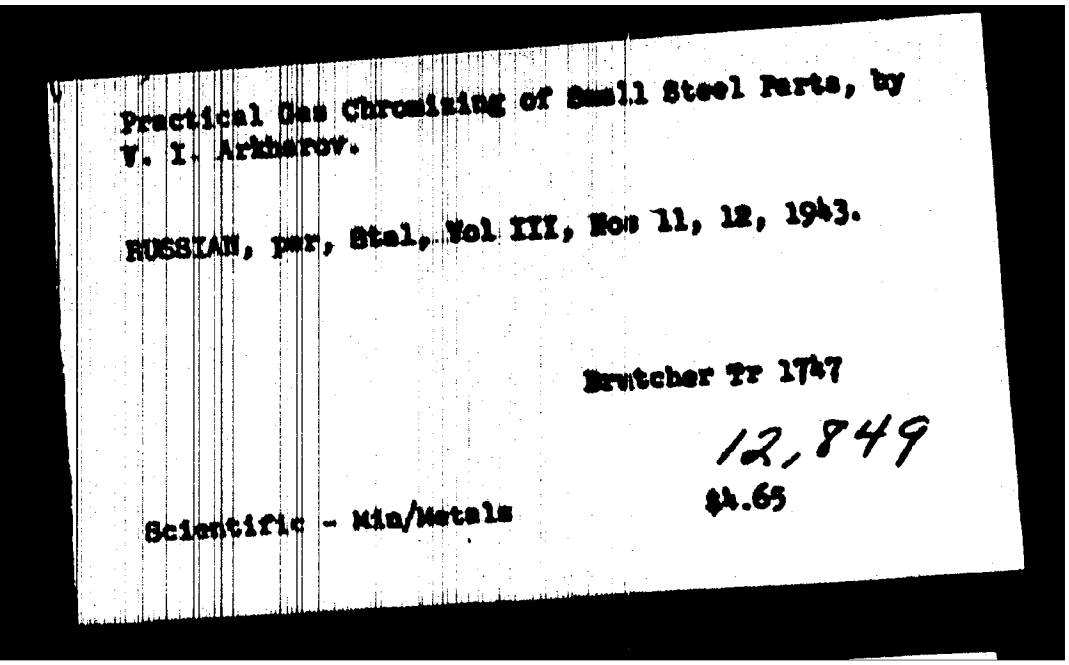

Practical Gas Chromizing of Small Steel Parts, by V. I. Arkharov.

RUSSIAN, per, Stal, Vol XIII, Nos 11, 12, 1943.

Brutcher Tr 1747

12,849

$4.65

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

How to Avoid Flakiness in High Alloy Constructional Steel, by A. A. Bastorguyev, I. G. Arzamastsev.

RUSSIAN, per, Stal, Vol XII, No 9-10, 1943, 5 figures, 2 tables, 4000 words, 1943.

Brutcher Trans No 1617
$6.00

Scientific - Minerals/Metals

14,543

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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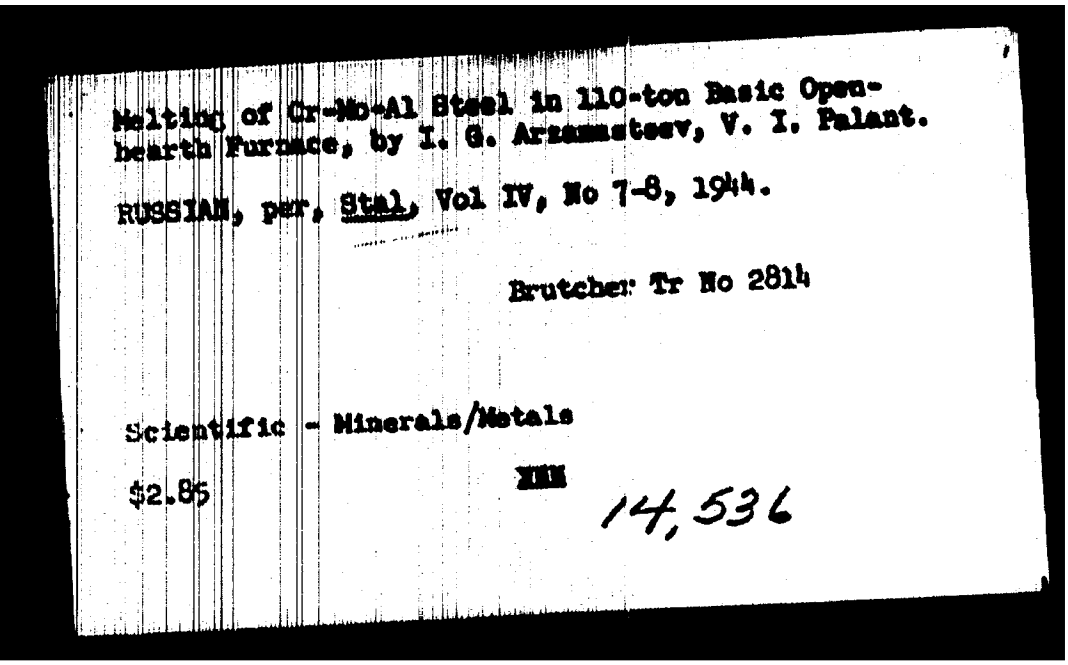

Melting of Cr-Mo-Al Steel in 110-ton Basic Open-hearth Furnace, by I. G. Arzamastsev, V. I. Palant.

RUSSIAN, per, Stal, Vol IV, No 7-8, 1944.

Brutcher Tr No 2814

Scientific - Minerals/Metals

$2.85

XXX

14,536

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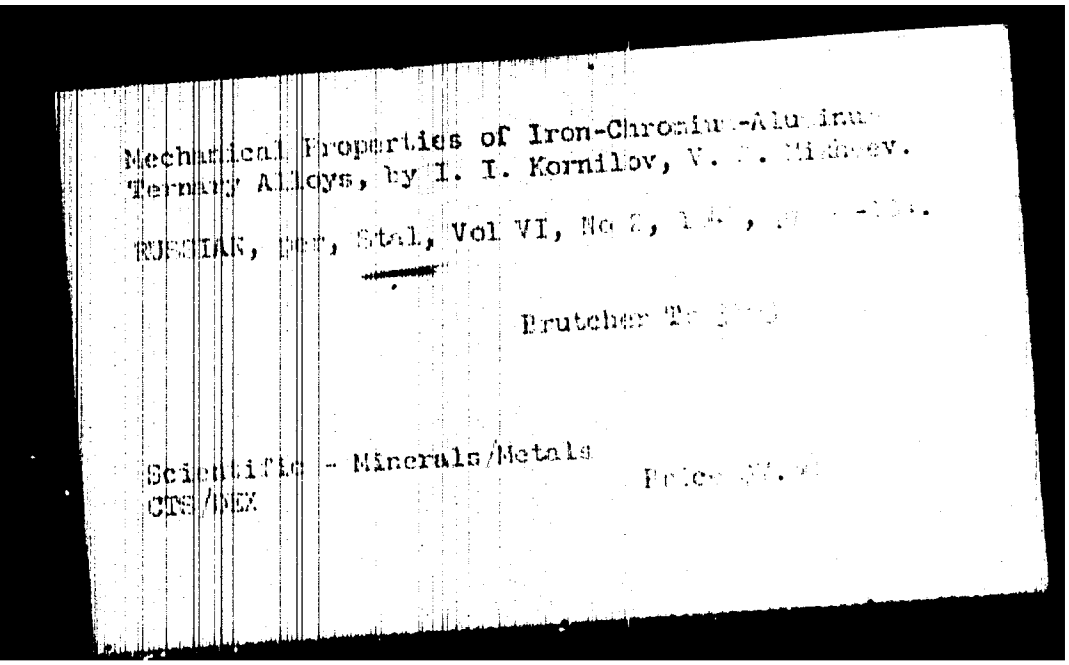

Mechanical Properties of Iron-Chromium-Aluminum Ternary Alloys, by I. I. Kornilov, V. [illegible] Nikolaev.

RUSSIAN, Per, Stal, Vol VI, No 2, [illegible], [illegible].

Brutcher Tr [illegible]

Scientific - Minerals/Metals
CTS/DEX

Price [illegible]

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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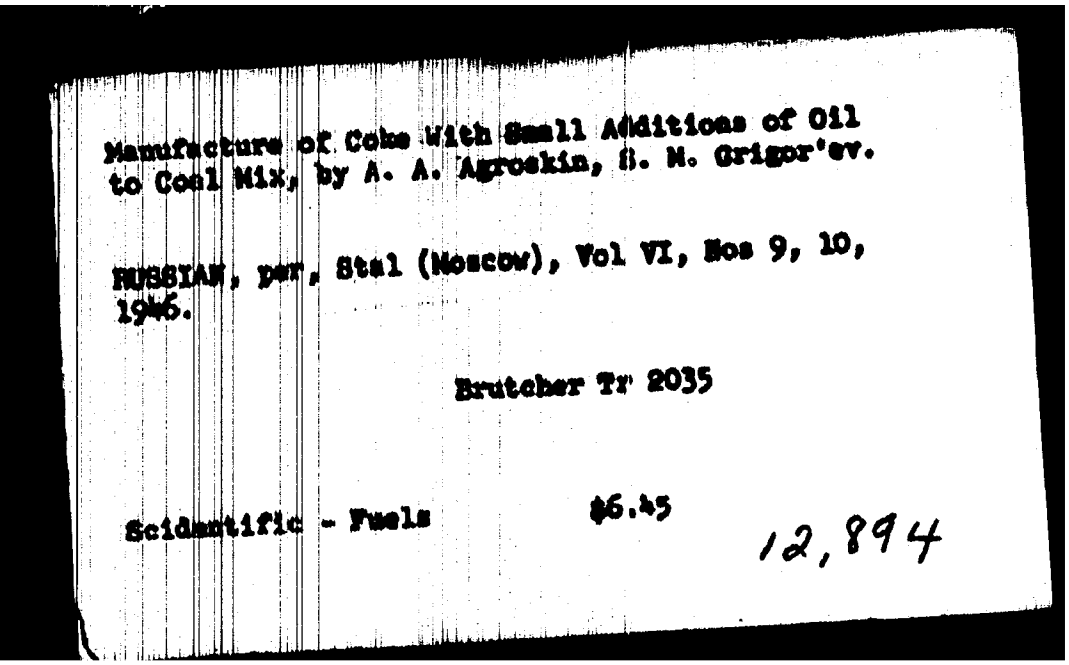

Manufacture of Coke With Small Additions of Oil to Coal Mix, by A. A. Agroskin, B. N. Grigor'ev.

RUSSIAN, per. Stal (Moscow), Vol VI, Nos 9, 10, 1946.

Brutcher Tr 2035

Scientific - Fuels $6.45

12,894

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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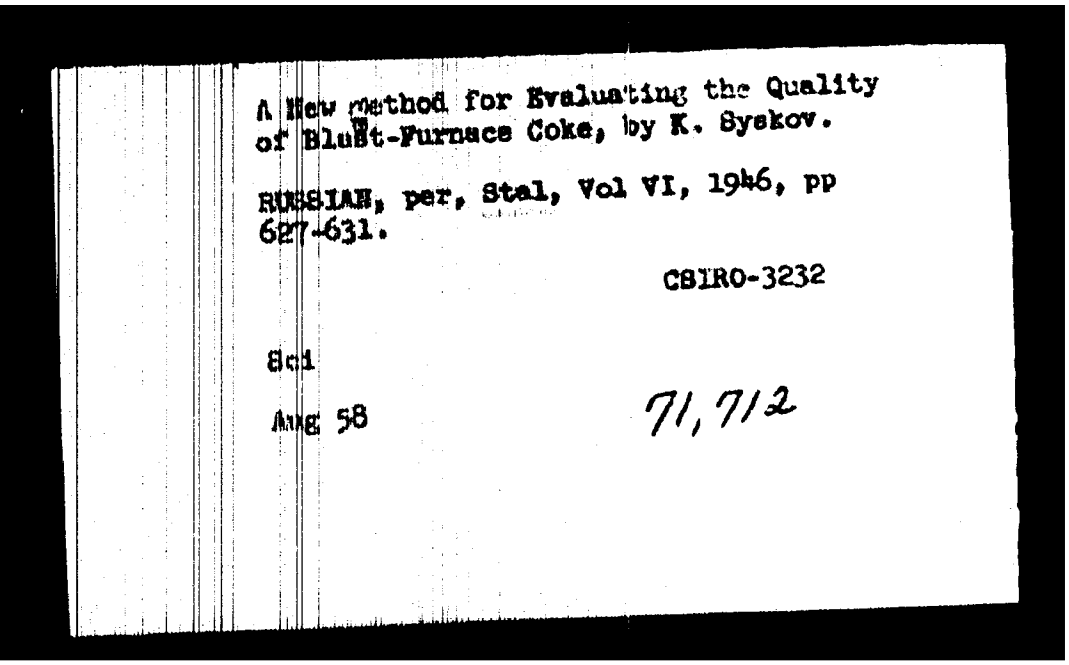

A New method for Evaluating the Quality of Blast-Furnace Coke, by K. Syskov.

RUSSIAN, per, Stal, Vol VI, 1946, pp 627-631.

CSIRO-3232

Sci

Aug 58

71,712

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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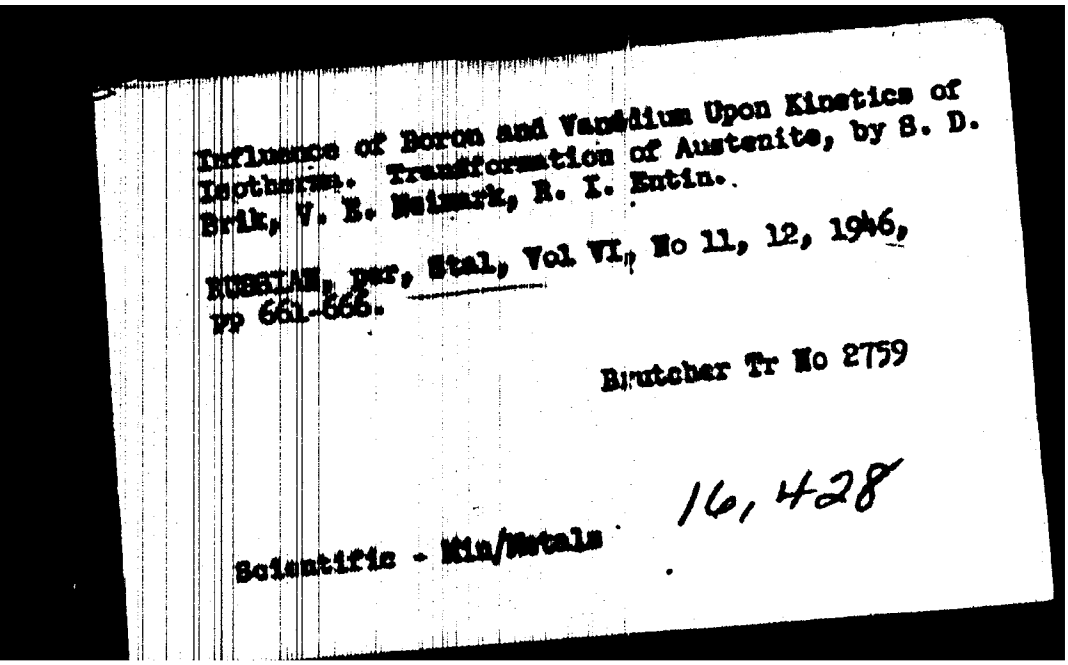

Influence of Boron and Vanadium Upon Kinetics of Isothermal Transformation of Austenite, by S. D. Brik, V. E. Neimark, R. I. Entin.

RUSSIAN, per, Stal, Vol VI, No 11, 12, 1946, pp 661-666.

Birutcher Tr No 2759

16,428

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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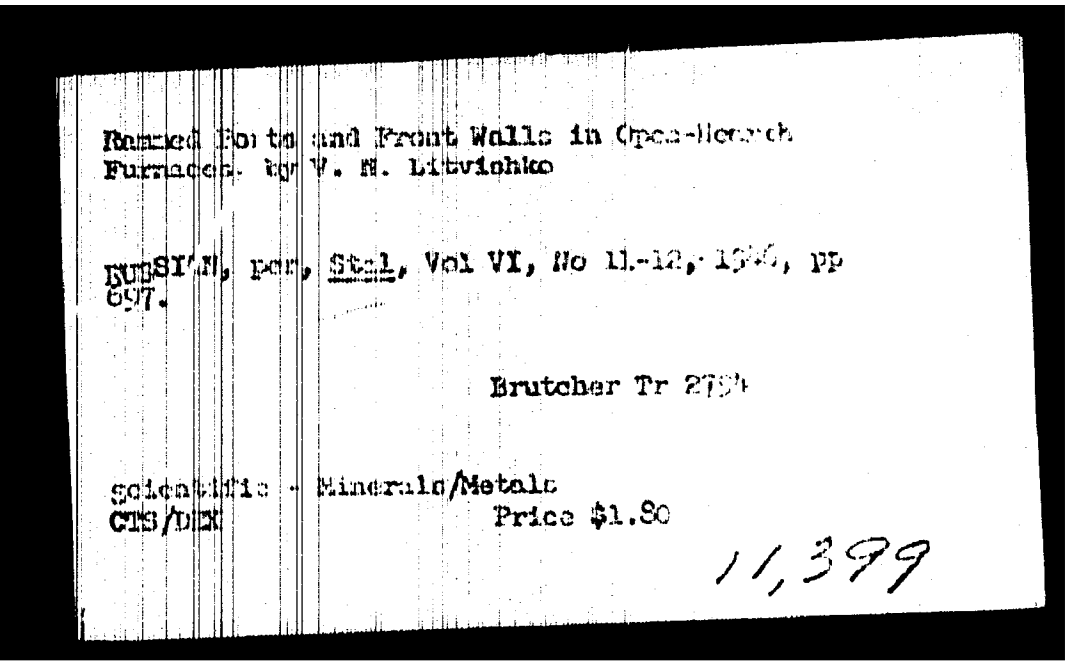

Ramming Bottom and Front Walls in Open-Hearth Furnaces. by V. M. Litvinkko

RUSSIAN, per, Stal, Vol VI, No 11-12, 1936, pp 697.

Brutcher Tr 2754

Scientific - Minerals/Metals
CIS/DIX Price $1.80

11,399

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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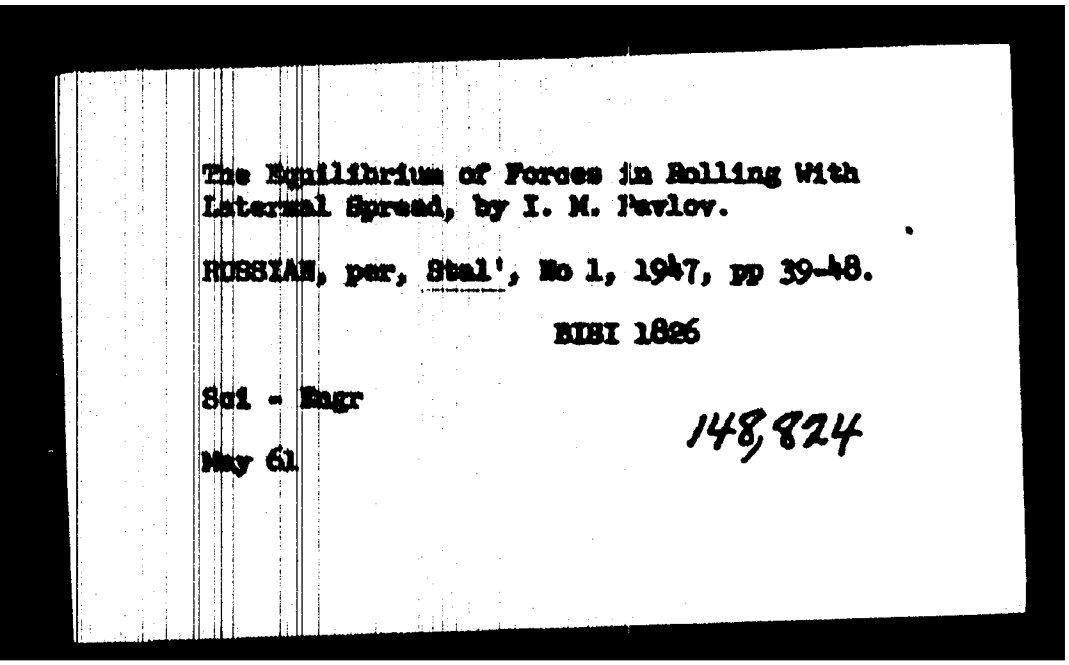

The Equilibrium of Forces in Rolling With
Internal Spread, by I. M. Pavlov.

RUSSIAN, per, Stal', No 1, 1947, pp 39-48.

BIBI 1826

Sci - Engr

148,824

May 61

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Manufacture of Iron Powder Products with a Wide Range of Properties, by Y. M. Lipkes and L. A. Faikina, 10 pp.

RUSSIAN, per, Stal, Vol VII, No 2, 1947, pp 149-151. (Loan Copy Only).

SLA R-2077

Sci

Aug 58

71,439

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Influence of Small Additions Upon the Properties of High Chromium Heat Resisting Steel, by V. N. Svechnikov, N. S. Alferov.

RUSSIAN, per, Stal, Vol VII, No 4, 1947

Brutcher Tr 2096

Scientific - Min/Metals $6.90

12,756

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Influence of Small Additions of Boron and Vanadium Upon Crystallization of Steel, by S. D. Brik, V. E. Neimark, R. I. Rutin.

RUSSIAN, per, Stal, Vol VII, No 4, 1947, pp 336-340.

BFutcher Tr No 2761

16,429

Scientific - Min/Metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Surface Phenomena in Metallurgical Processes, by S. T. Goplan.

RUSSIAN, Steel, Vol VII, No 5, 1947, pp.395-399.

Brutcher Trans-Wo:2111

Scientific - Metallurgy, steel, processes

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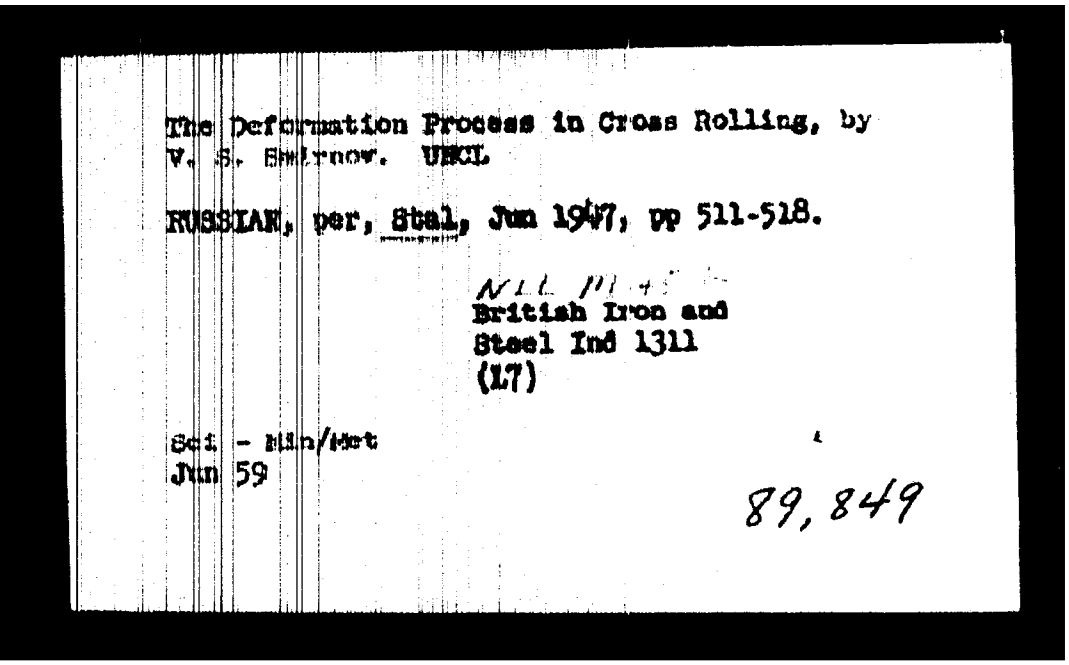

The Deformation Process in Cross Rolling, by V. S. Smirnov. UMKL

RUSSIAN, per, Stal, Jun 1947, pp 511-518.

NIL MM 45
British Iron and Steel Ind 1311 (L7)

Sci - Min/Met
Jun 59

89,849

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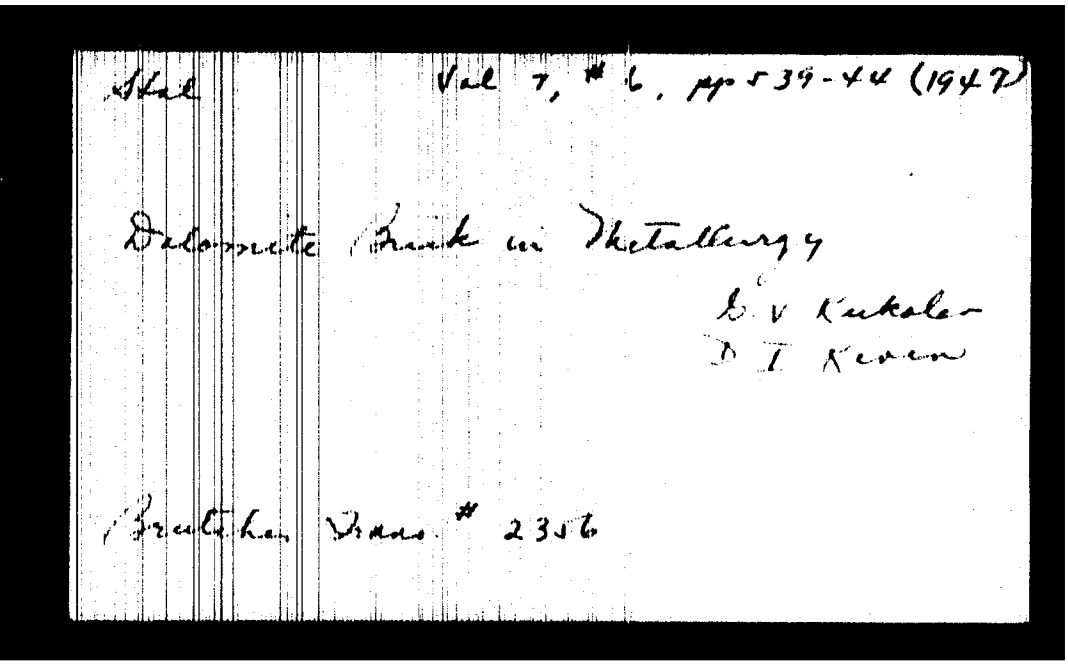

Akad Vol 7, # 6, pp 539-44 (1947)

Dolomite Bank in Metallurgy

B V Kukolev
D I Kreines

Fruit Chem. Trans. # 2356

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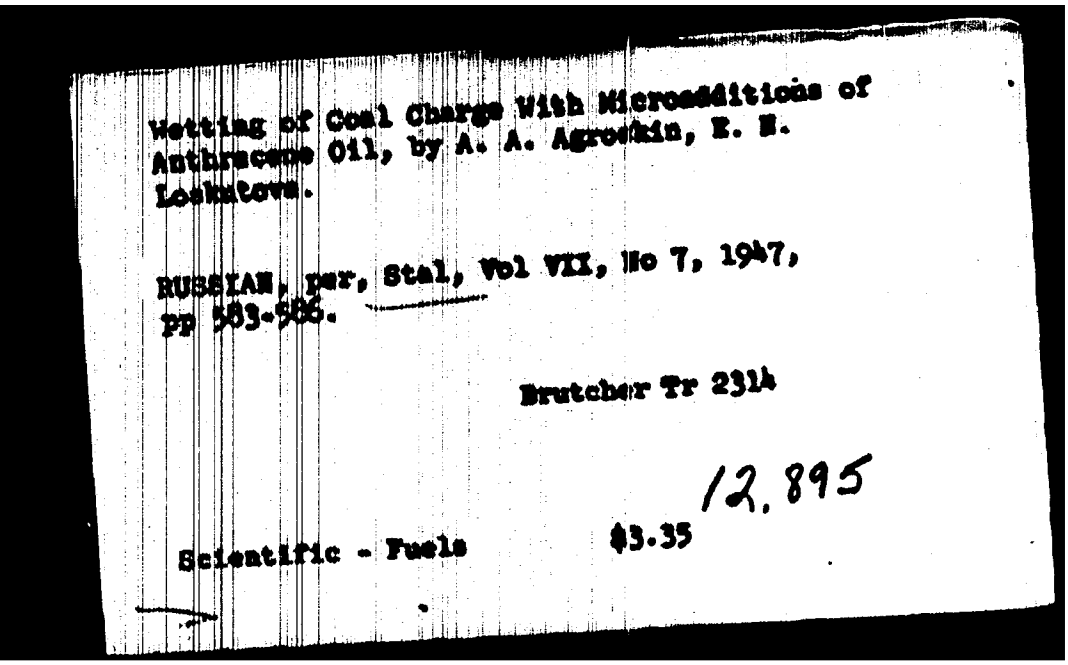

Wetting of Coal Charge With Microadditions of Anthracene Oil, by A. A. Agroskin, E. E. Loskutova.

RUSSIAN, per, Stal, Vol VII, No 7, 1947, pp 583-586.

Brutcher Tr 2314

12,895

Scientific - Fuels $3.35

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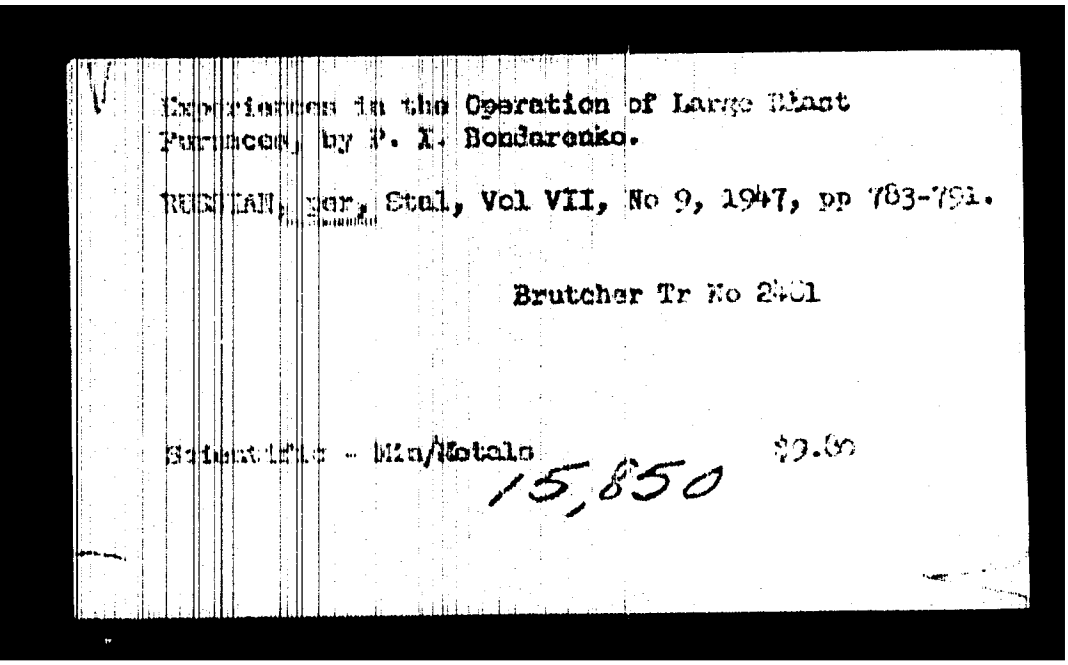

Experience in the Operation of Large Blast Furnaces, by P. I. Bondarenko.

RUSSIAN, Metallurg, Stal, Vol VII, No 9, 1947, pp 783-791.

Brutcher Tr No 2501

Estimated - Min/Metals 15,850 $9.00

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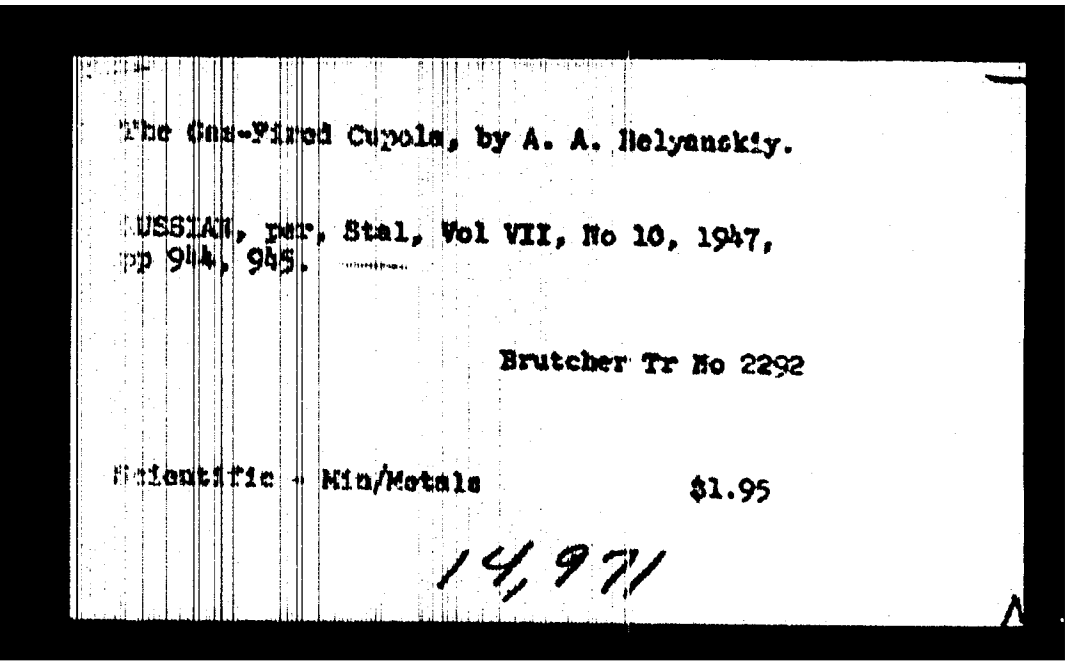

The Gas-Fired Cupola, by A. A. Belyanckiy.

USSIAN, per, Stal, Vol VII, No 10, 1947, pp 944, 945.

Brutcher Tr No 2292

Scientific - Min/Metals $1.95

14,971

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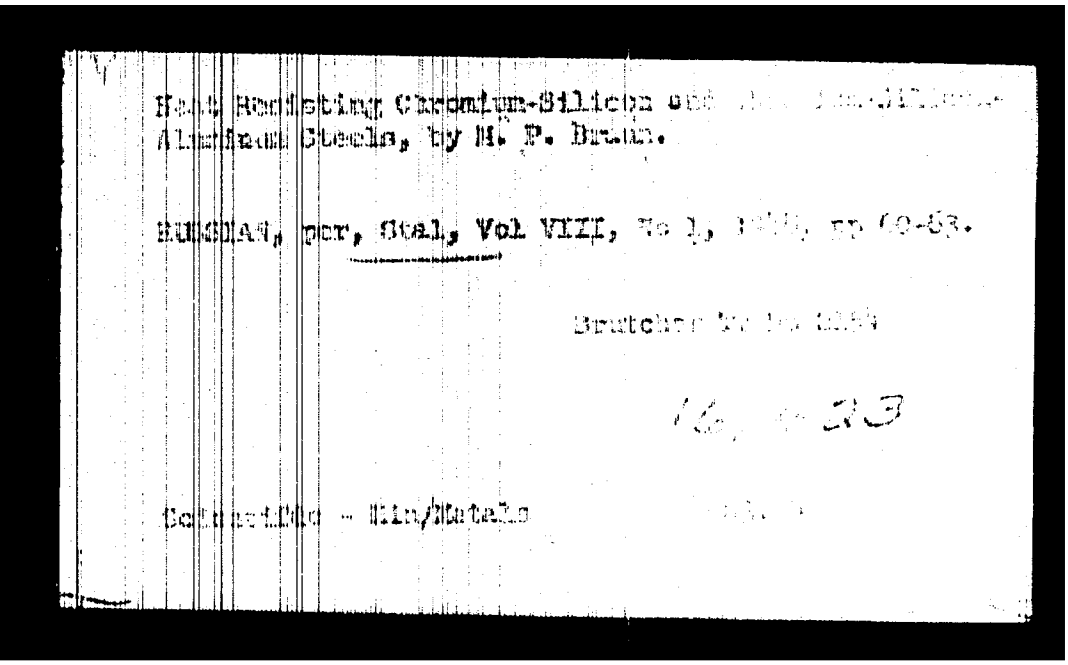

Heat Resisting Chromium-Silicon [illegible]
Aluminum Steels, by H. P. Brain.

BUREAU, Iron, Steel, Vol VIII, No 1, [illegible] pp 60-63.

Brutcher No [illegible]

[illegible] - Bib/Metals

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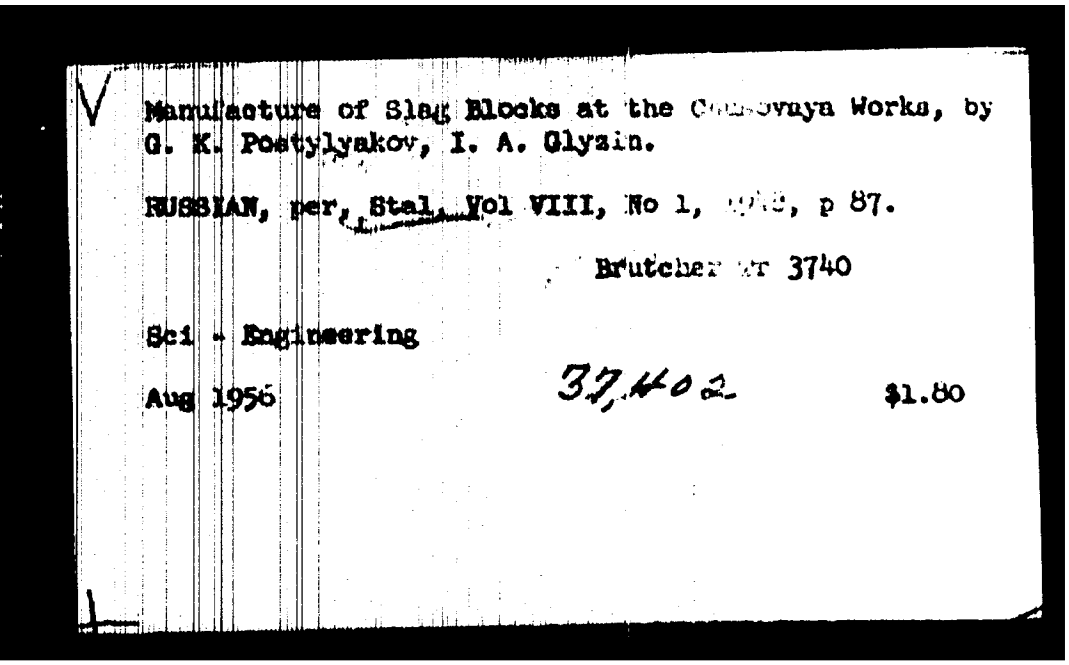

V

Manufacture of Slag Blocks at the Chusovaya Works, by G. K. Postylyakov, I. A. Glyzin.

RUSSIAN, per, Stal, Vol VIII, No 1, [illegible], p 87.

Brutcher tr 3740

Sci - Engineering

Aug 1956

37,402

$1.80

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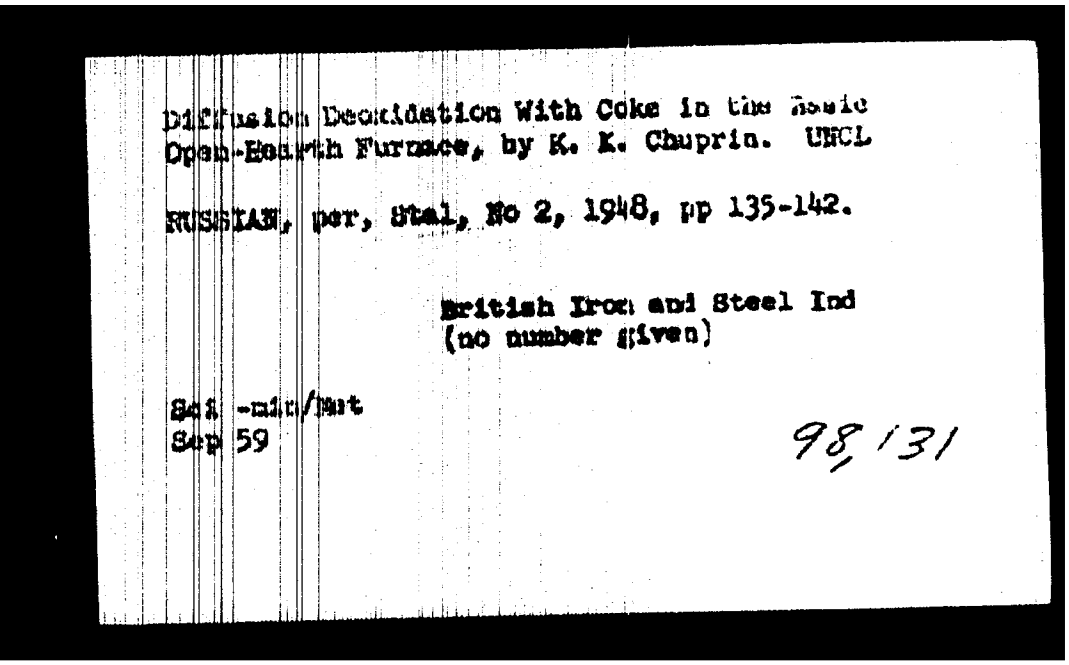

Diffusion Deoxidation With Coke in the Basic Open-Hearth Furnace, by K. K. Chuprin. UNCL

RUSSIAN, per, Stal, No 2, 1948, pp 135-142.

British Iron and Steel Ind
(no number given)

Sci -mic/mt
Sep 59

98/131

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APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

REIMARK, W. E.
ET AL

Stal, vol. 8, No.3, 17 figures, 2 tables, 3700 words; 1948.

Influence of Titanium and combined additions of boron, vanadium and titanium upon crystallization of steel.

Brutcher, Trans. Order No. 2238, $5.55

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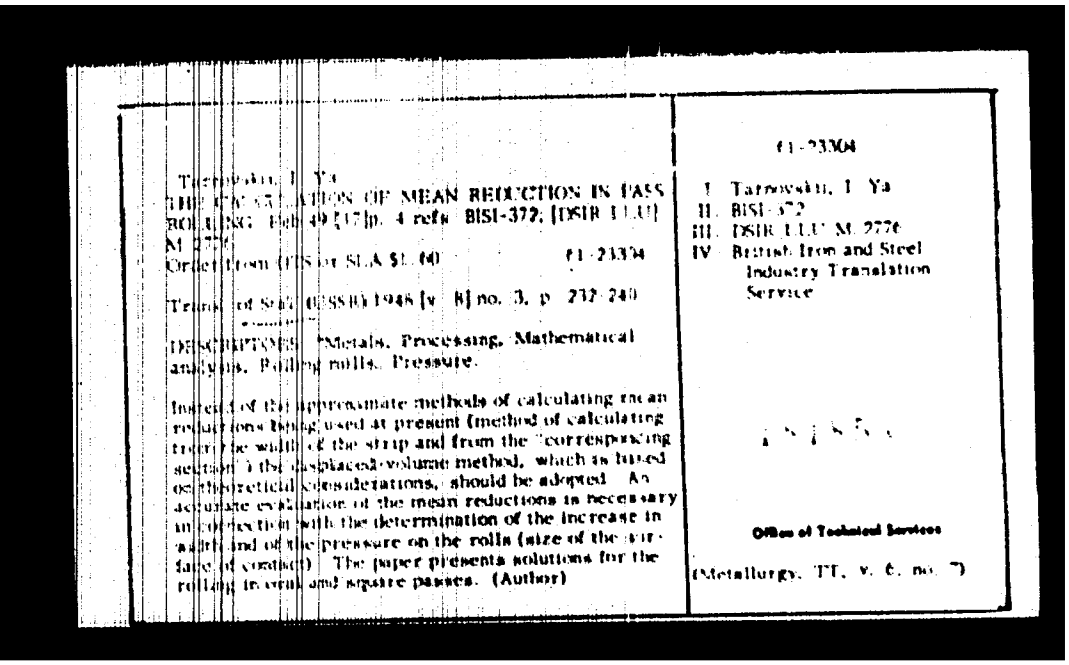

Tarnovskii, I. Ya

THE CALCULATIONS OF MEAN REDUCTION IN PASS ROLLING. Eng 49 [17]p. 4 refs BISI-372; [DSIR T.L.U] M. 277e

Order from OTS or SLA $1.00 PT-23304

Trans. of Sci. (OSRD) 1948 [v. 8] no. 3, p. 232-240

DESCRIPTORS: Metals, Processing, Mathematical analysis, Rolling mills, Pressure.

Instead of the approximate methods of calculating mean reductions being used at present (method of calculating from the width of the strip and from the "corresponding section" the displaced-volume method, which is based on theoretical considerations, should be adopted. An accurate evaluation of the mean reductions is necessary in connection with the determination of the increase in width and of the pressure on the rolls (size of the surface of contact). The paper presents solutions for the rolling in oval and square passes. (Author)

PT-23304

I. Tarnovskii, I. Ya
II. BISI-372
III. DSIR T.L.U. M. 277e
IV. British Iron and Steel Industry Translation Service

Office of Technical Services

(Metallurgy, TT, v. 6, no. 7)

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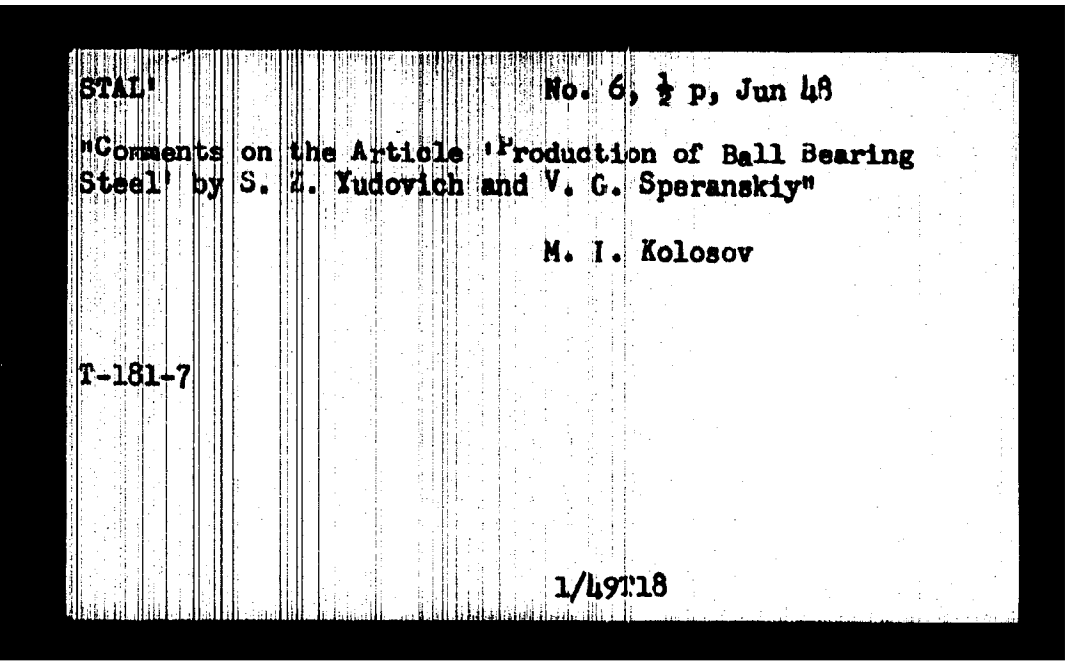

STAL' No. 6, ½ p, Jun 48

"Comments on the Article 'Production of Ball Bearing Steel' by S. Z. Yudovich and V. G. Speranskiy"

M. I. Kolosov

T-181-7

1/49T18

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STAL'

No 6, 8½ pp, Jun 48

"Test of Optimum Technology for Smelting Ball Bearing Steel"

M.I. Kolosov
I. Ya. Ayzenshtok
N. V. Keys

Proj 3507
T 181-5

SR 3/23/51 U Rpt 1/49T15

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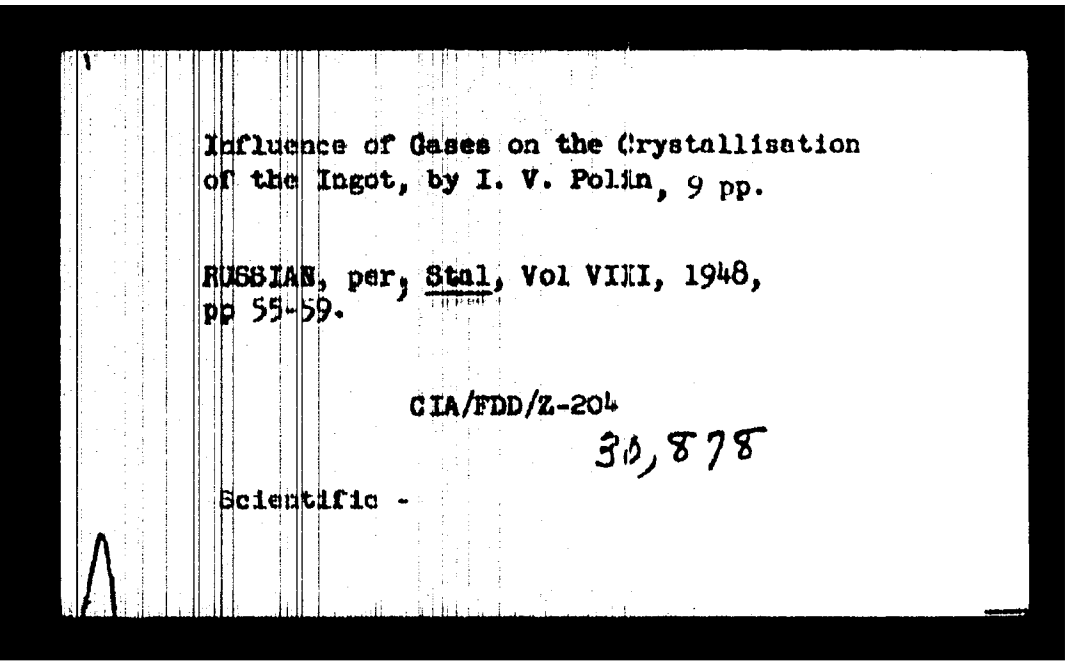

Influence of Gases on the Crystallisation of the Ingot, by I. V. Polin, 9 pp.

RUSSIAN, per, Stal, Vol VIII, 1948, pp 55-59.

CIA/FDD/Z-204

30,878

Scientific -

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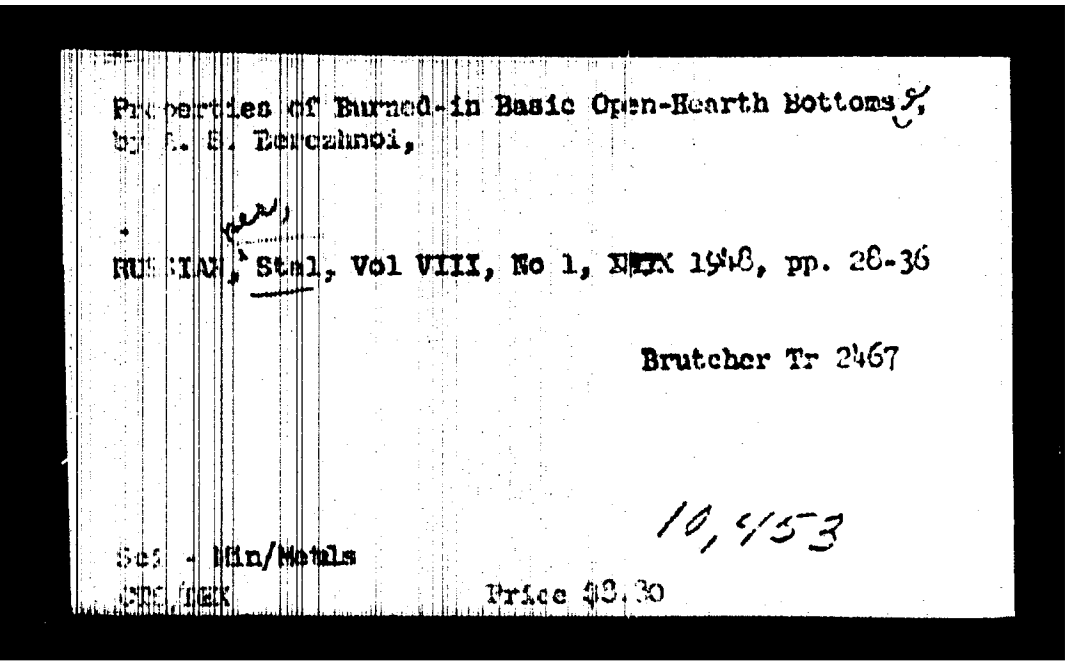

Properties of Burned-in Basic Open-Hearth Bottoms,
by [illegible] S. Berezhnoi,

RUSSIAN, Stal, Vol VIII, No 1, [illegible] 1948, pp. 28-36

Brutcher Tr 2467

10,453

Sci - Min/Metals

[illegible] Price $2.50

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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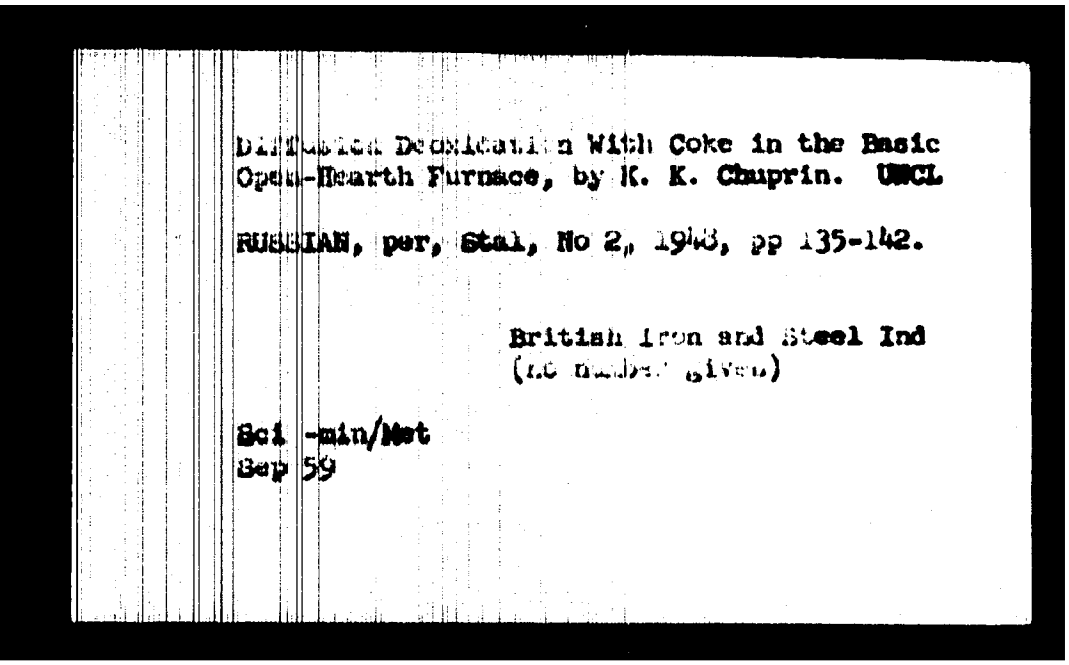

Diffusion Deoxidation With Coke in the Basic Open-Hearth Furnace, by K. K. Chuprin. UNCL

RUSSIAN, per, Stal, No 2, 1948, pp 135-142.

British Iron and Steel Ind
(no number given)

Sci -min/Met
Sep 59

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APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

STAL' No 9, 3½ pp, Sep 48

"Use of Coke Gas in Place of Acetylene"

N. M. Kunitsyn

Summary

ST #17-2
AR 3 Mar 1949

6/49713

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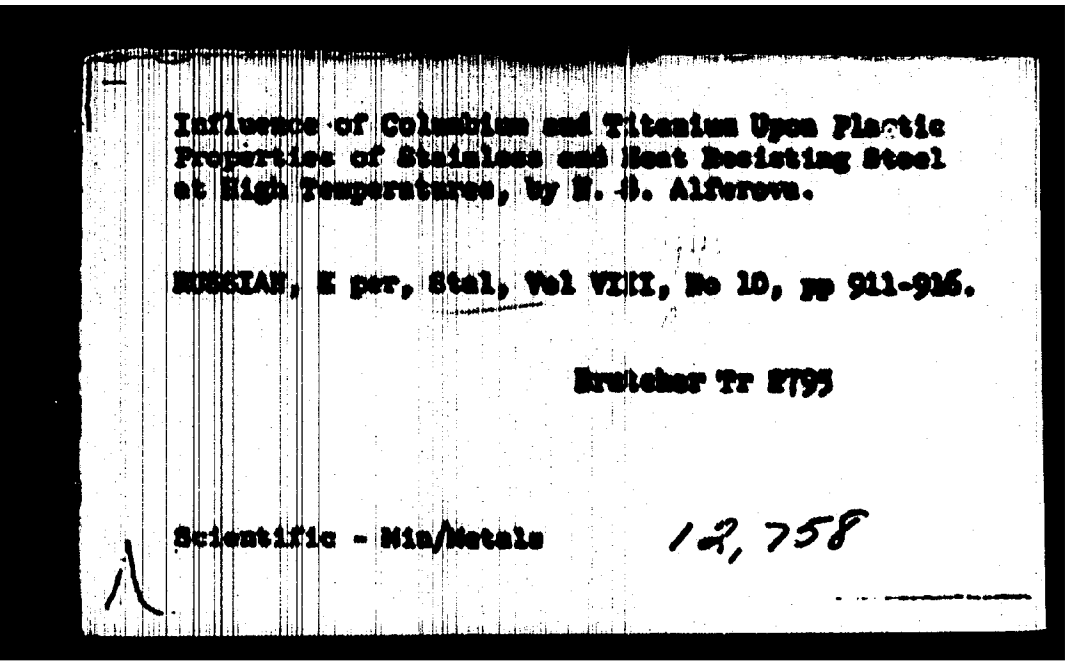

Influence of Columbium and Titanium Upon Plastic Properties of Stainless and Heat Resisting Steel at High Temperatures, by M. G. Alferova.

RUSSIAN, K per, Stal, Vol VIII, No 10, pp 911-916.

Brutcher Tr 2795

Scientific - Min/Metals 12,758

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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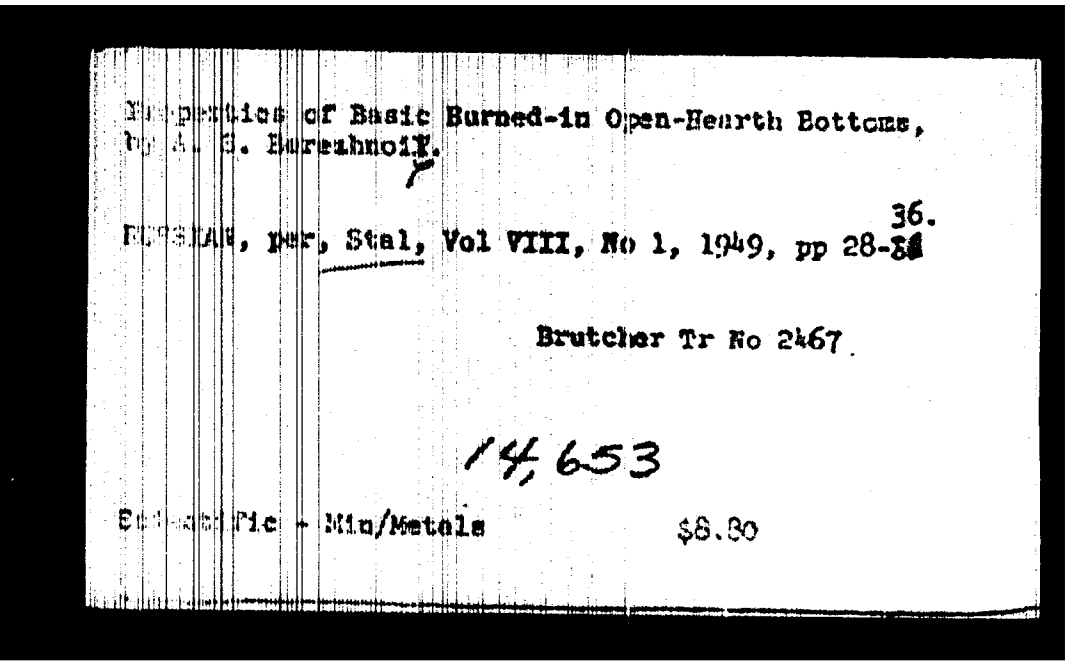

Properties of Basic Burned-in Open-Hearth Bottoms,
by A. S. Burakhnoi.

RUSSIAN, per, Stal, Vol VIII, No 1, 1949, pp 28-36.

Brutcher Tr No 2467.

14,653

Ed. Ref. Pic - Min/Metals $8.80

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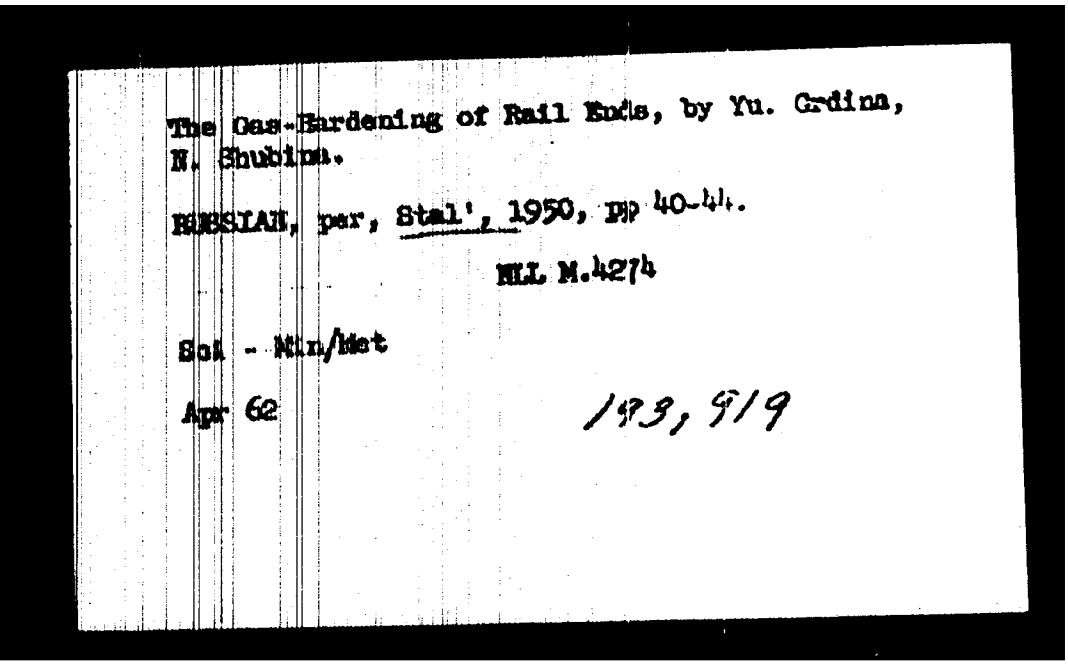

The Gas-Hardening of Rail Ends, by Yu. Grdina, N. Shubina.

RUSSIAN, per, Stal', 1950, pp 40-44.

MLL M.4274

Sal - Min/Met

Apr 62

193,919

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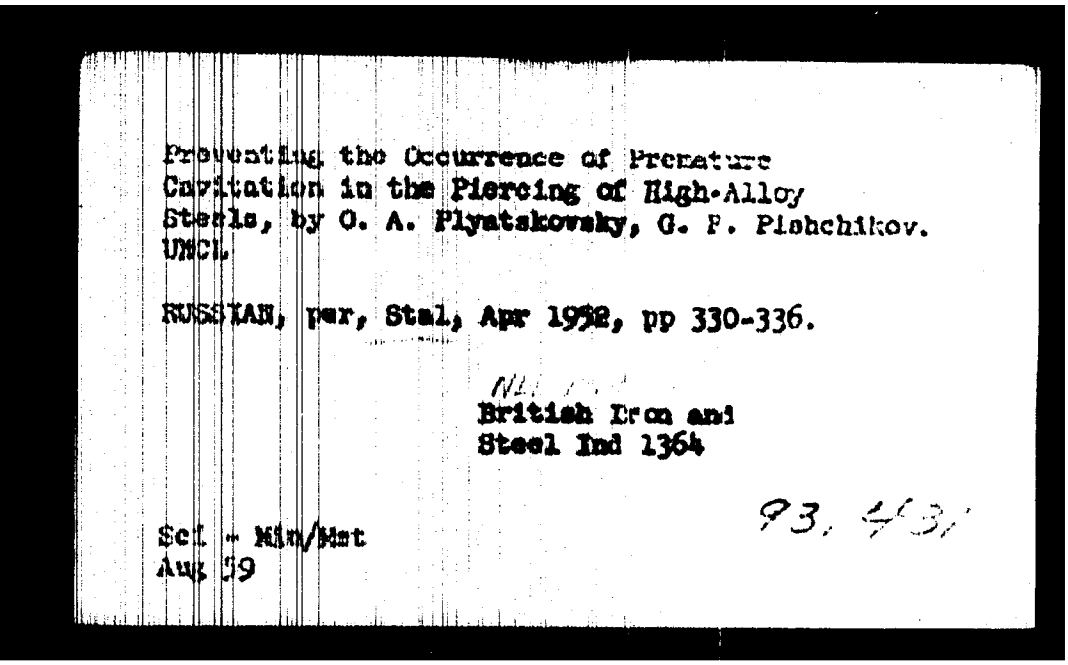

Preventing the Occurrence of Premature Cavitation in the Piercing of High-Alloy Steels, by O. A. Plyatskovsky, G. F. Plshchikov. UNCL.

RUSSIAN, per, Stal, Apr 1952, pp 330-336.

NL
British Iron and Steel Ind 1364

93. 43/

Sci - Min/Met
Aug 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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The Precise Determination of the Mean Rate of Deformation During Rolling, by A. I. Tselikov.

RUSSIAN, per, Stal', Dec 1954.

RZhMet 1939

Sci - Engr

Sep 51

169, 961

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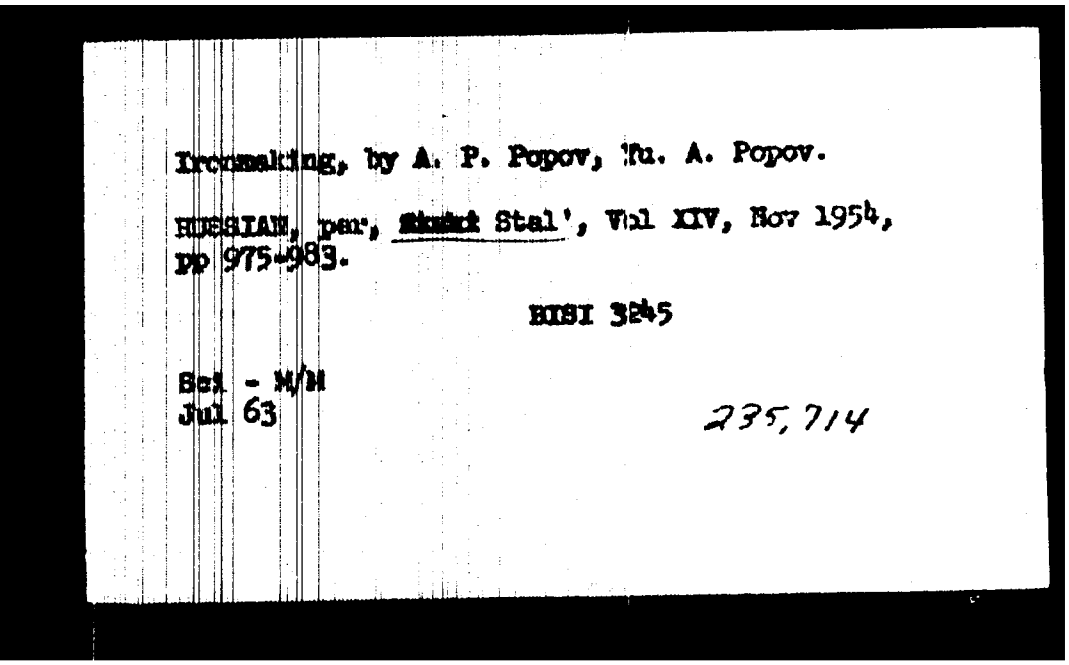

Ironmaking, by A. P. Popov, Yu. A. Popov.

RUSSIAN, per, Metall Stal', Vol XIV, Nov 1954, pp 975-983.

RISI 3245

Sel - M/M
Jul 63

235,714

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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(FDD 25953)

Experience in the Operation of Blast Furnaces With Increased Gas Pressures, by I.D. Bal on, I.K. Kotov, G.D. Shuguyev, 23 pp

RUSSIAN, mp per, Stal', No 1, Moscow, Jan 1955, pp 23-30

Dec 55 CTS

CIA/FDD/U-7637

30,508

USSR
Econ

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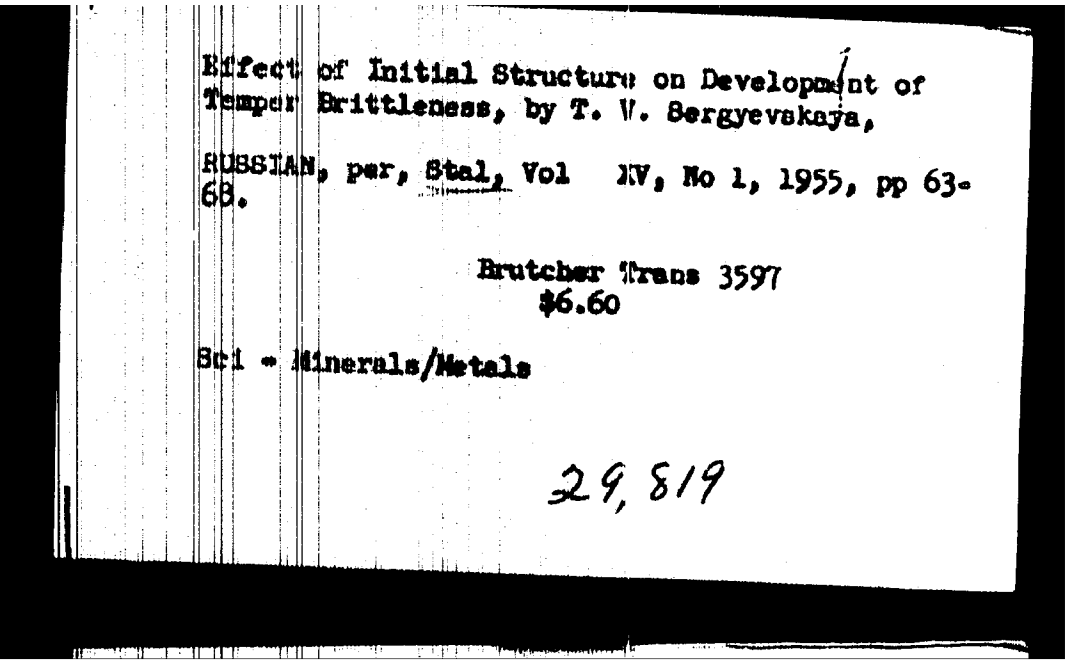

Effect of Initial Structure on Development of Temper Brittleness, by T. V. Sergyevskaya,

RUSSIAN, per, Stal, Vol XV, No 1, 1955, pp 63-68.

Brutcher Trans 3597
$6.60

Sci - Minerals/Metals

29,819

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On the Nature of Spottiness in a Chrome-Molybdenum-Aluminum Nitriding Steel, by V. D. Oreshkin.

RUSSIAN, per, Stal, Vol XV, No 1, 1955, pp 69-70.

Brutcher Tr
No 3598

Scientific - Min/Metals Jan 56 CTS/DEX

$1.90 30,313

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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ow to Improve the Structural Homogeneity of
ot-Rolled (Strip) Steel, by V. A. Shaurin et al

USSIAN, Per, Stal, Vol 15, No 1, 1955
p 86-88

Brutcher No 3599
$3.80

31,232

cientific - Min/Metals
eb 56 CTB/dex

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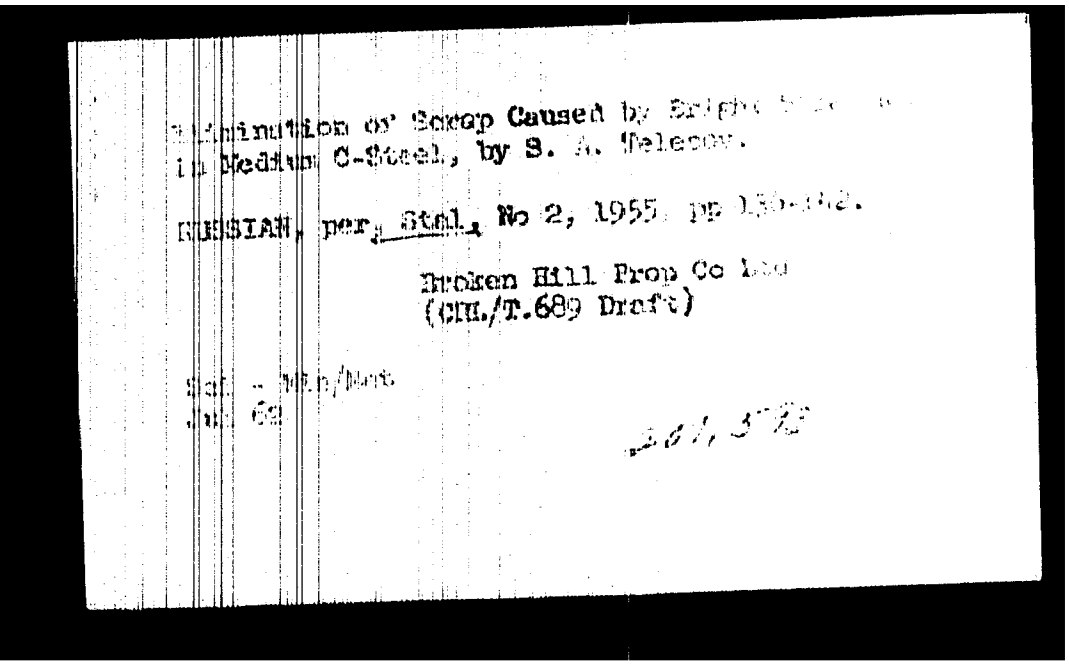

Elimination of Scrap Caused by [illegible]
in Medium C-Steel, by S. A. Telegow.

RUSSIAN, per Stal, No 2, 1955, pp 130-132.

Broken Hill Prop Co Ltd
(CIA/T.689 Draft)

Staf - M.P/Met
Jul 62

201,372

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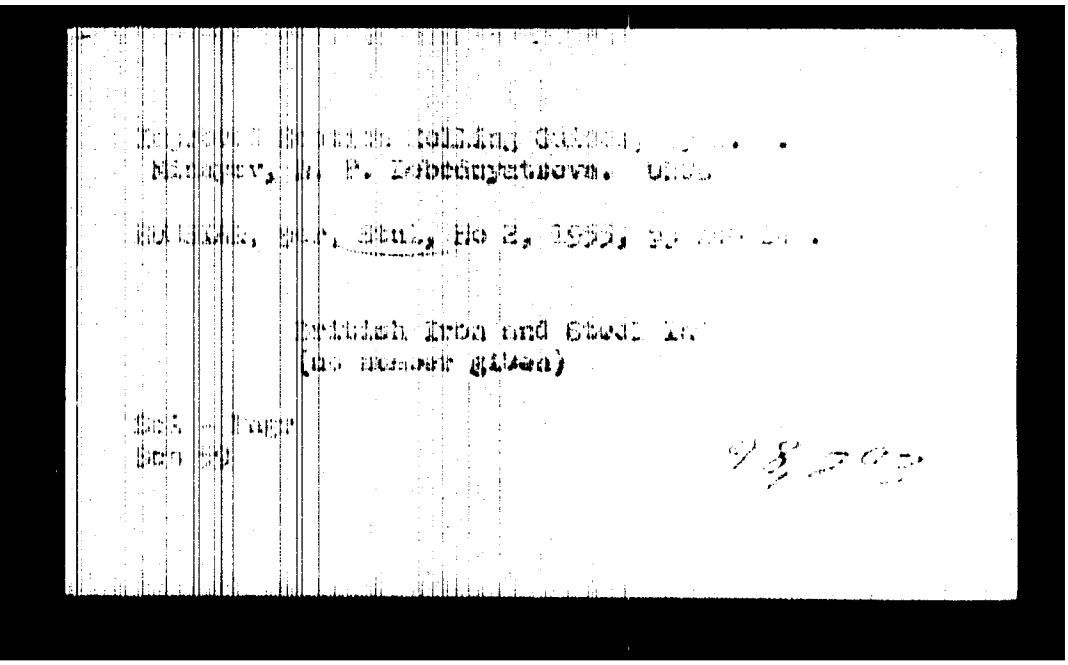

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Effect of Size Disturibution of Coal Charge on Coke qual
Quality, by I. M. Lazovskii, A. S. Tsynovnikov,

RUSSIAN, per, Stal' No 5, 1955, pp 199-204.

CRL/T. 878

Sci
Dec 62

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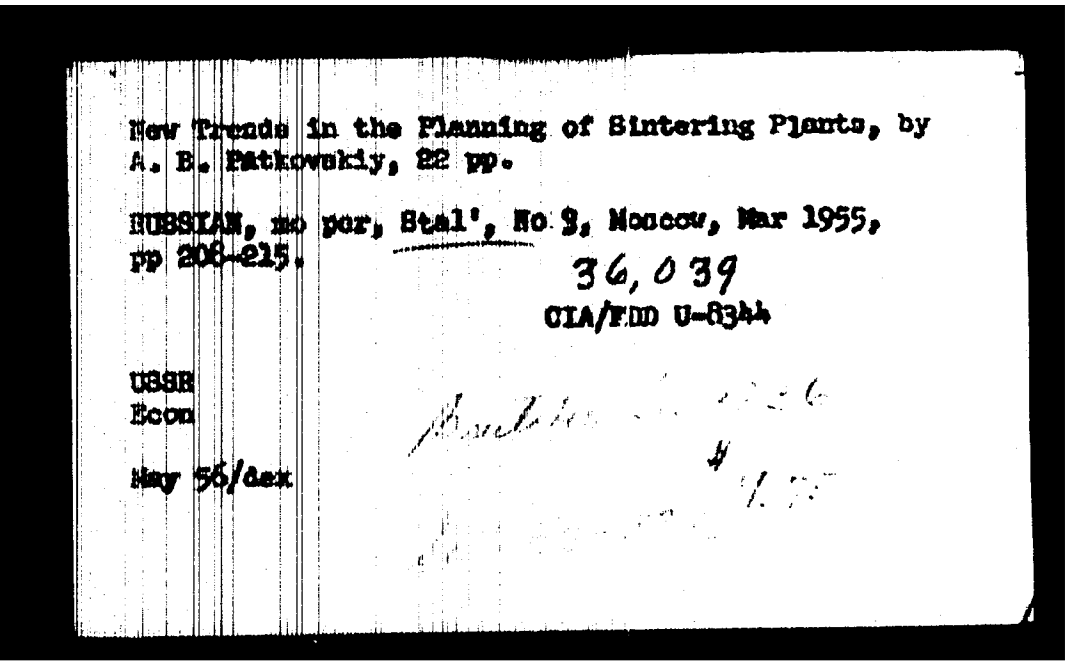

New Trends in the Planning of Sintering Plants, by A. B. Patkovskiy, 22 pp.

RUSSIAN, no per, Stal', No 9, Moscow, Mar 1955, pp 808-815.

36,039
CIA/FDD U-8344

USSR
Econ

May 56/dex

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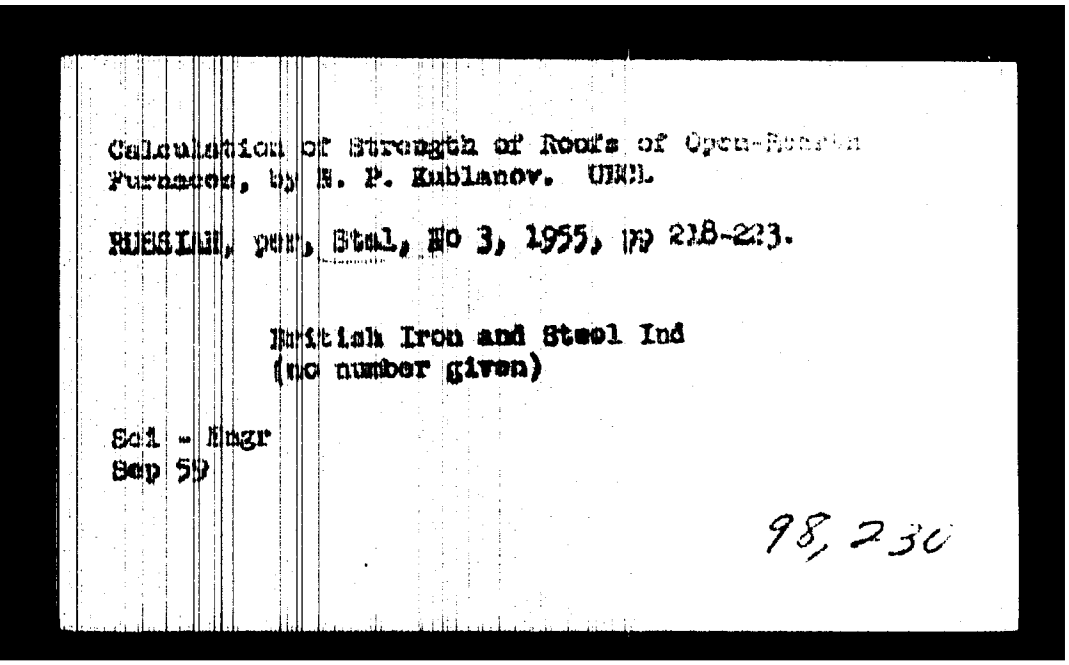

Calculation of Strength of Roofs of Open-Hearth Furnaces, by N. P. Kublanov. UMN.

RUSSIAN, per, Stal, No 3, 1955, pp 218-223.

British Iron and Steel Ind
(no number given)

Sol - Engr
Sep 56

98,230

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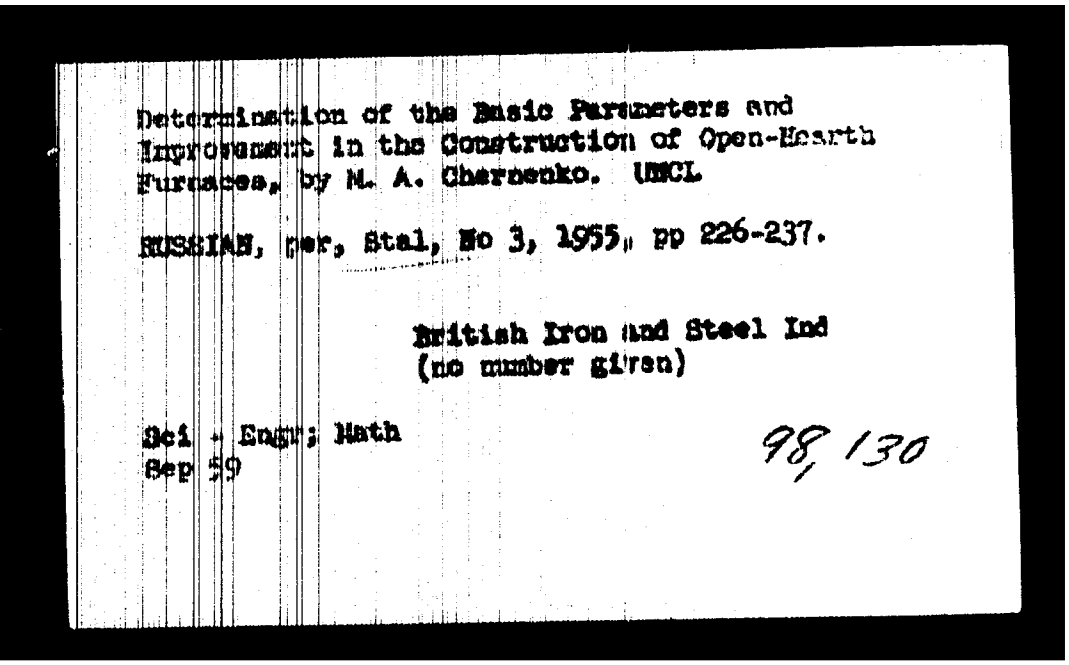

Determination of the Basic Parameters and Improvement in the Construction of Open-Hearth Furnaces, by M. A. Chernenko. (MCL

RUSSIAN, per, Stal, No 3, 1955, pp 226-237.

British Iron and Steel Ind
(no number given)

Sci - Engr; Math
Sep 59

98,130

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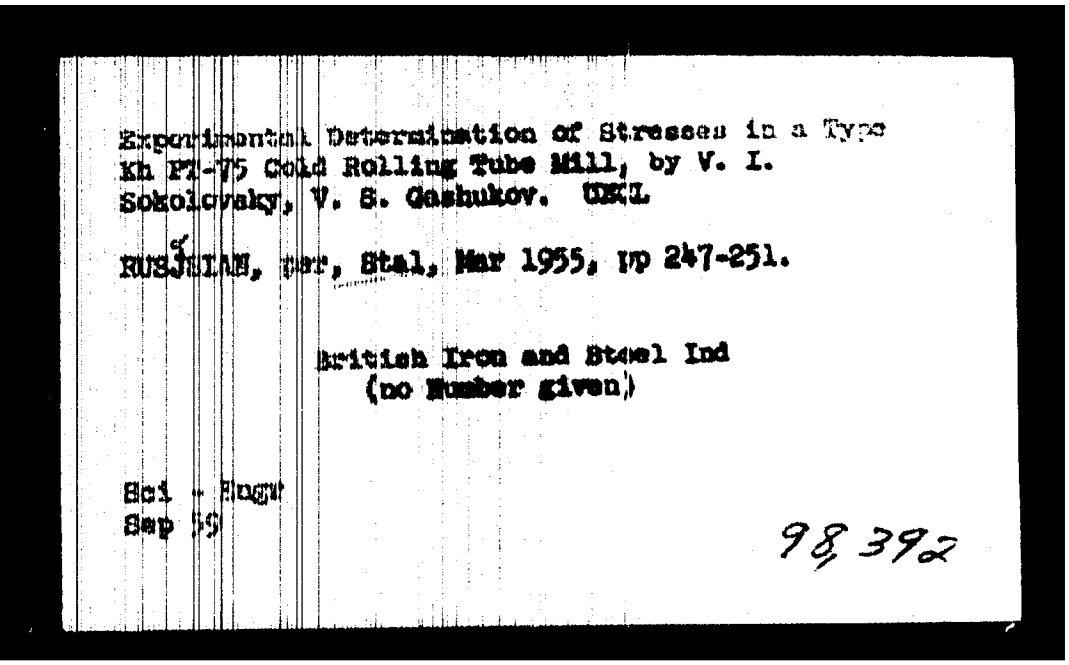

Experimental Determination of Stresses in a Type Kh PT-75 Cold Rolling Tube Mill, by V. I. Sokolovsky, V. S. Gashukov. UKL

RUSSIAN, Per, Stal, Mar 1955, pp 247-251.

British Iron and Steel Ind
(no Number given)

Sci - Engr
Sep 55

98 392

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

The Direction Taken by the Gas Flows in the Coal Charge in a Coke Retort When Manufacturing Coke, by M. P. Khudokormov. USCL

RUSSIAN, per. Stal, No 4, 1955, pp 295-301.

TIL 5052

Sci - Fuels

Mar 60

111,875

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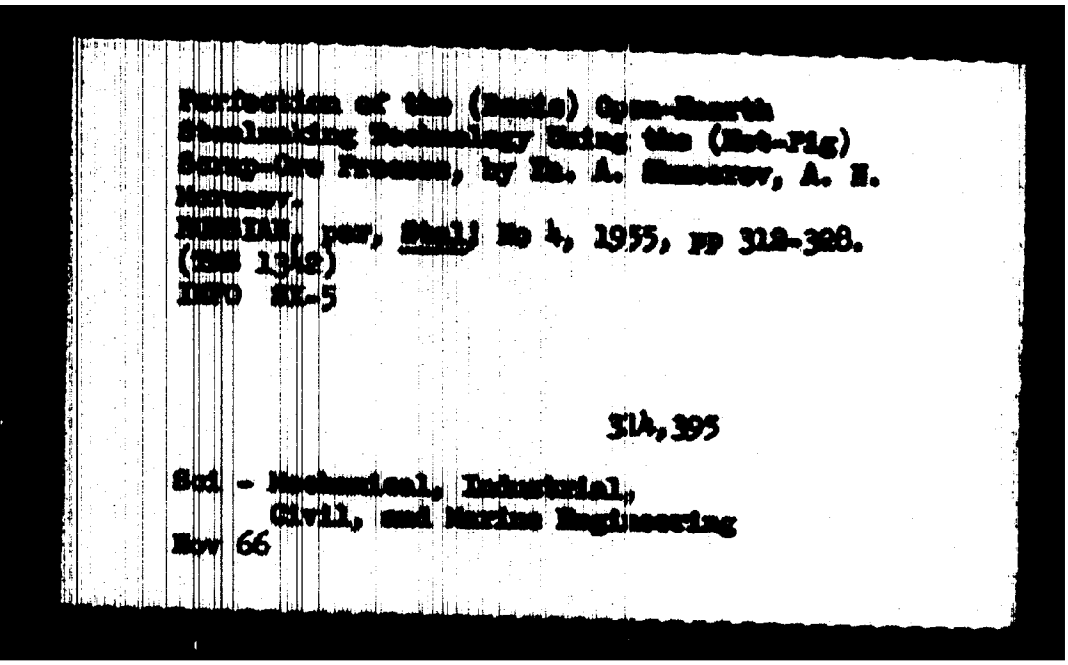

Perfection of the (Russia) Open-Hearth
[illegible] Technology Using the (Mix-Pig)
[illegible] Process, by Kh. A. Shmakov, A. N.
Ivanov, ...
[illegible] prom, Stal', No 4, 1955, pp 322-328.
(from ...)
[illegible] XX-5

514,395

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Nov 66

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Perfection of Basic Open-Hearth Steelmaking Technology Using Hot Pig Scrap-Ore Process, by Ya. A. Shmarov, A. N. Morozov. UMCL

RUSSIAN, per, Stal, No 4, 1955, pp 312-328.

British Iron and Steel Inst (no number given)

98394

Sol - Min/Met.
Sep 59

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APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

(FDD 2954)

On the Problem of Perfecting the Technology of Electro Smelting Steel, (ADiscussion of the Article by V. G. Sperenskiy (1), by S. G. Voinov, 18 pp

RUSSIAN, no per, Stal', No 4, Moscow, Apr 1955, pp 329-333

CIA/FDD/U-7987

33,464

USSR
Econ

Apr 56

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Transformer Steels Alloyed With Aluminium,
N. P. Dubrov, et al. UNCL.

RUSSIAN, per, Stal, No 4, 1953, pp 347-350.

British Iron and Steel Inst
(no number given)

Sci - Min/Met
Sep 59

98,072

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Transformer Steel Alloyed With Aluminium, by W. A. Zolivanowa, T. S. Konovalova.

RUSSIAN to GERMAN, per, Stal, Vol XV, 1955, pp 347-350.

VDeh

Verein Deutsch Eisenhuettenleute
Duesseldorf
Breite Strasse 27, Germany

Dec 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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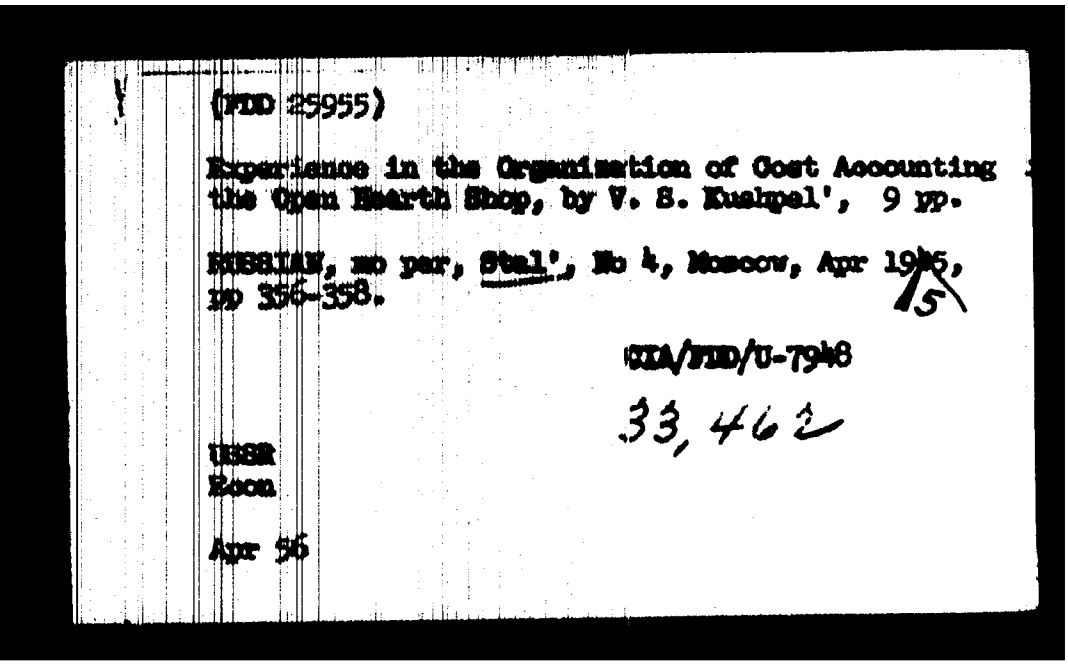

(FDD 25955)

Experience in the Organization of Cost Accounting
the Open Hearth Shop, by V. S. Kuelpel', 9 pp.

RUSSIAN, mo per, Stal', No 4, Moscow, Apr 1955,
pp 356-358.

15

CIA/FDD/U-7948

33,462

USSR
Econ

Apr 56

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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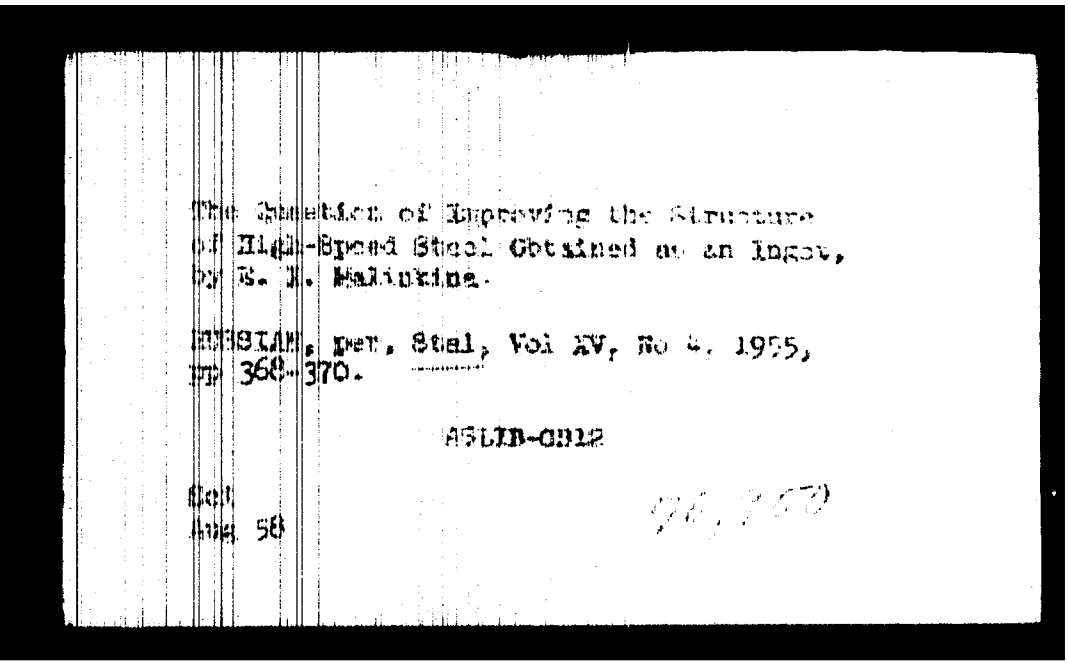

The Question of Improving the Structure
of High-Speed Steel Obtained as an Ingot,
by S. I. Malinkina.

[illegible], per. Stal, Vol XV, No 4, 1955,
pp 360-370.

ASLIB-0012

[illegible]
[illegible] 58

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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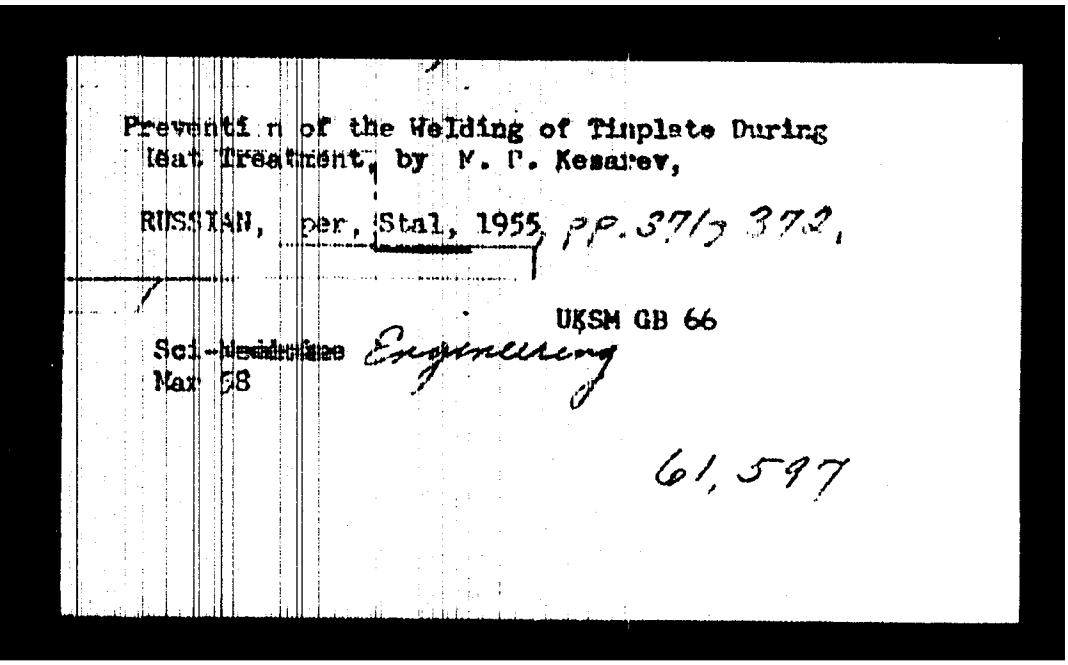


Prevention of the Welding of Tinplate During Heat Treatment, by M. P. Kesarev,

RUSSIAN, per, Stal, 1955, pp. 371-372.

UKSM GB 66

Sci-Technical Engineering

Mar 58

61,597

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Continuous Improvement of the Quality of Hot Rolled TinPlate, by G. I. Bel'chenko UDC I. M. Shapoval.

RUSSIAN, per, Stal, 1955, pp 374-375.

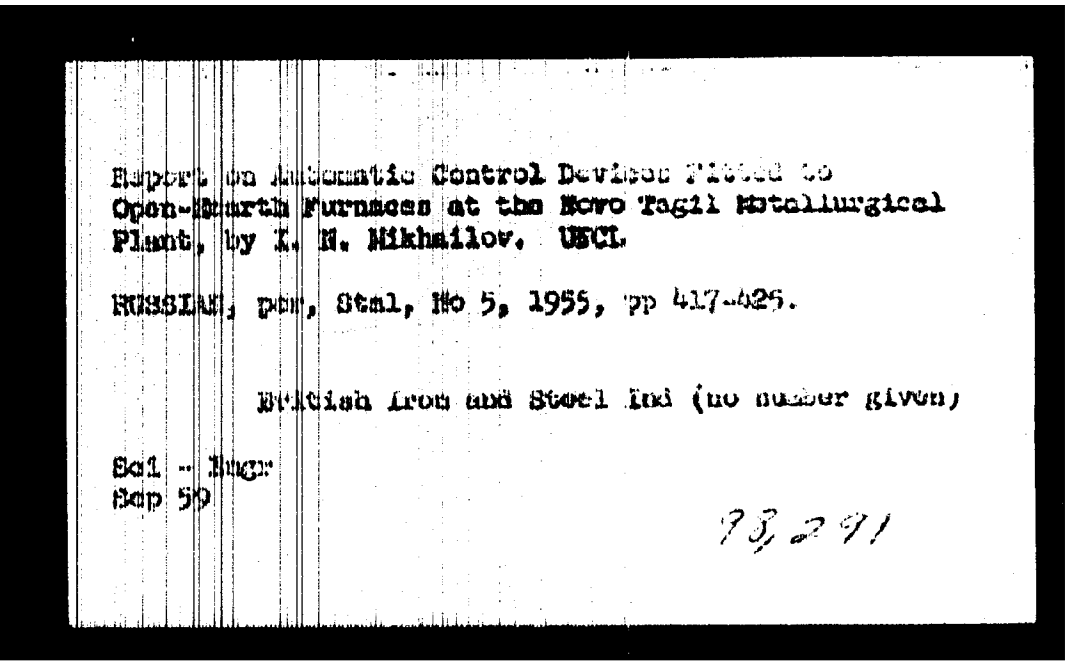
British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98/155

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9



Report on Automatic Control Devices Fitted to
Open-Hearth Furnaces at the Novo Tagil Metallurgical
Plant, by I. N. Mikhailov. USCL

RUSSIAN, per, Stal, No 5, 1955, pp 417-425.

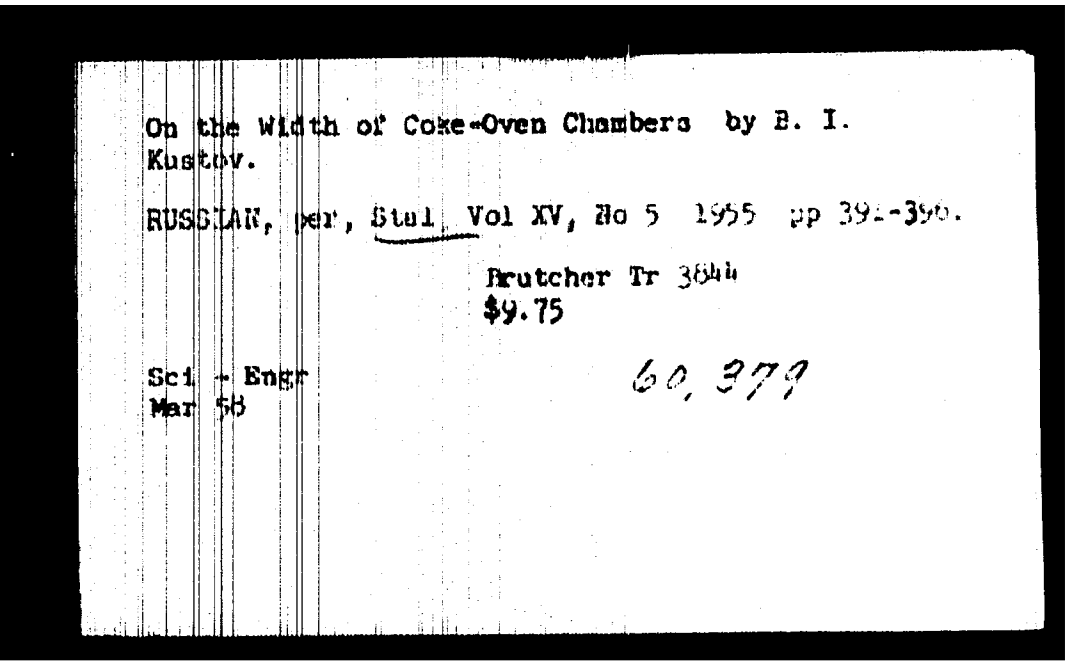
British Iron and Steel Inst (no number given)

Sal - Engr
Dep 59

PB 2791

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9



On the Width of Coke-Oven Chambers by B. I. Kustov.

RUSSIAN, per, Stal Vol XV, No 5 1955 pp 391-396.

Brutcher Tr 3844
$9.75

Sci - Engr
Mar 58

60,379

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Stefanovich, M. A.
INFLUENCE OF PRESSURE ON GAS FLOW IN BLAST FURNACES. [1963] 29p. 10 refs.
Order from OTS or SLA $2.60 63-16874

Trans. of Stal' (USSR) 1955, v. 15, p. 398-407.

DESCRIPTORS: *Blast furnaces, *Gas flow, Pressure.

Pressure drop in a blast furnace is inversely proportional to the gas pressure, assuming a constant distribution and composition of the charge column. An increased top pressure decreased in a blast furnace the angles of repose in a coke charge, the size of the burden at the periphery, and chimney formation, while it increases the amount of fine fractions remaining in the furnace and particularly at the periphery. Theoretically, an increased top pressure is more effective when when the regional pressure is lower and when the de-
(Metallurgy, TT, v. 10, no. 9) (over)

63-16874

1. Stefanovich, M. A.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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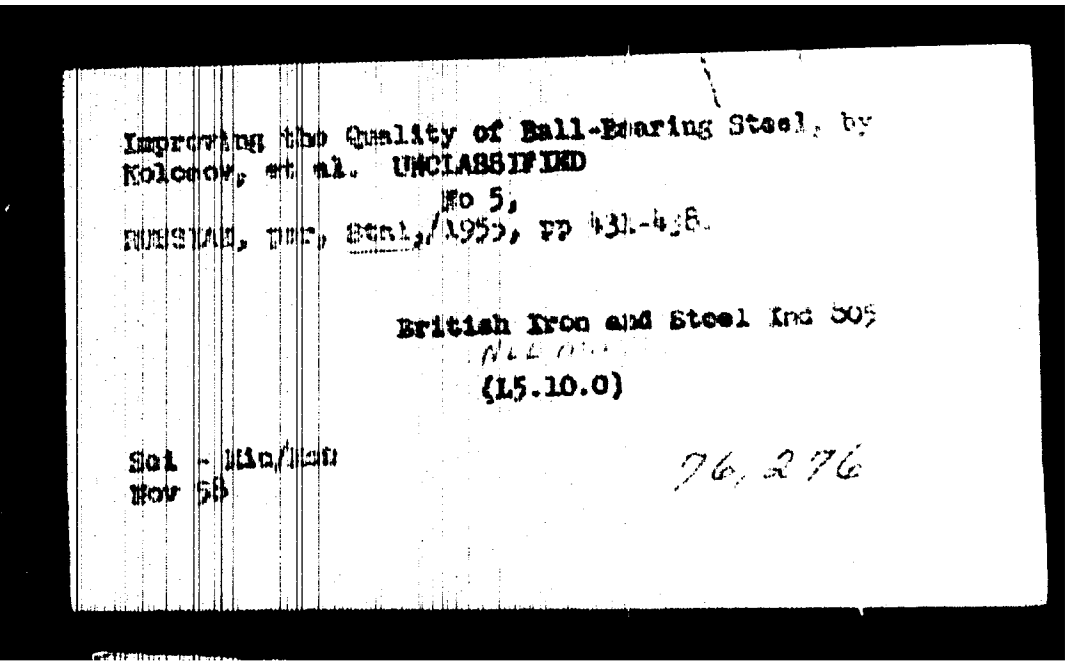

Improving the Quality of Ball-Bearing Steel, by Kolchov, et al. UNCLASSIFIED
No 5,
RUSSIAN, Metal, 1953, pp 431-438.

British Iron and Steel Ind 505
NLL 0...
(15.10.0)

Sol - Min/Man
Nov 56

96,276

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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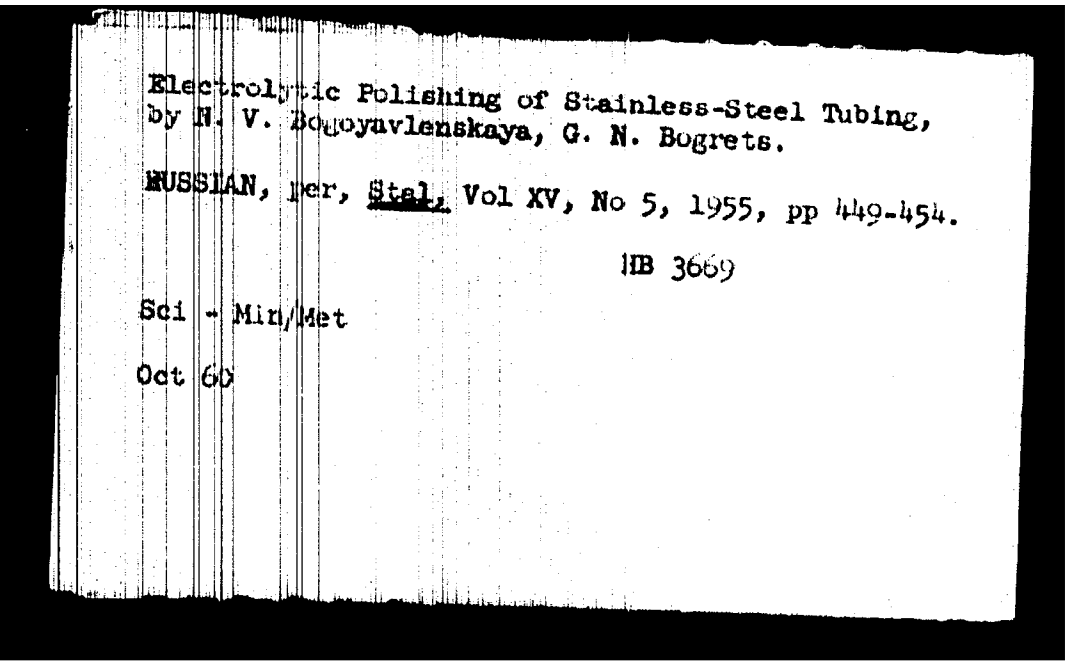


Electrolytic Polishing of Stainless-Steel Tubing,
by N. V. Bogoyavlenskaya, G. N. Bogrets.

RUSSIAN, per, Stal, Vol XV, No 5, 1955, pp 449-454.

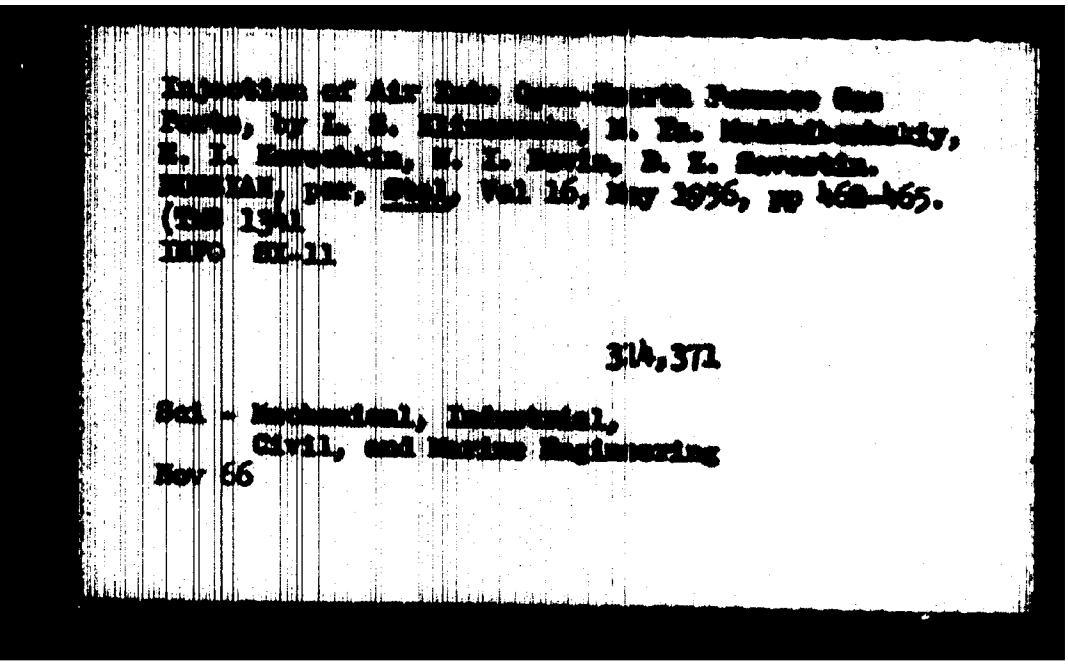
HB 3669

Sci - Min/Met

Oct 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9



Injection of Air Into Supersonic Flow Past a Wedge, by L. S. Klyachko, M. Ye. Nikolayevskiy, E. I. Zvyagin, K. I. Smirin, B. I. Suvorkin.
[illegible] Mekh, Vol 16, May 1956, pp 460-465.
(Sov 1941
INFO SU-11

314,372

Sci - Mechanical, Industrial, Civil, and Marine Engineering
Nov 66

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

The Semi-Continuous Casting of Steel in the German Democratic Republic, by I. P. Bardin,

RUSSIAN, mn por, Stal, No 5, May 1955, pp 472-.

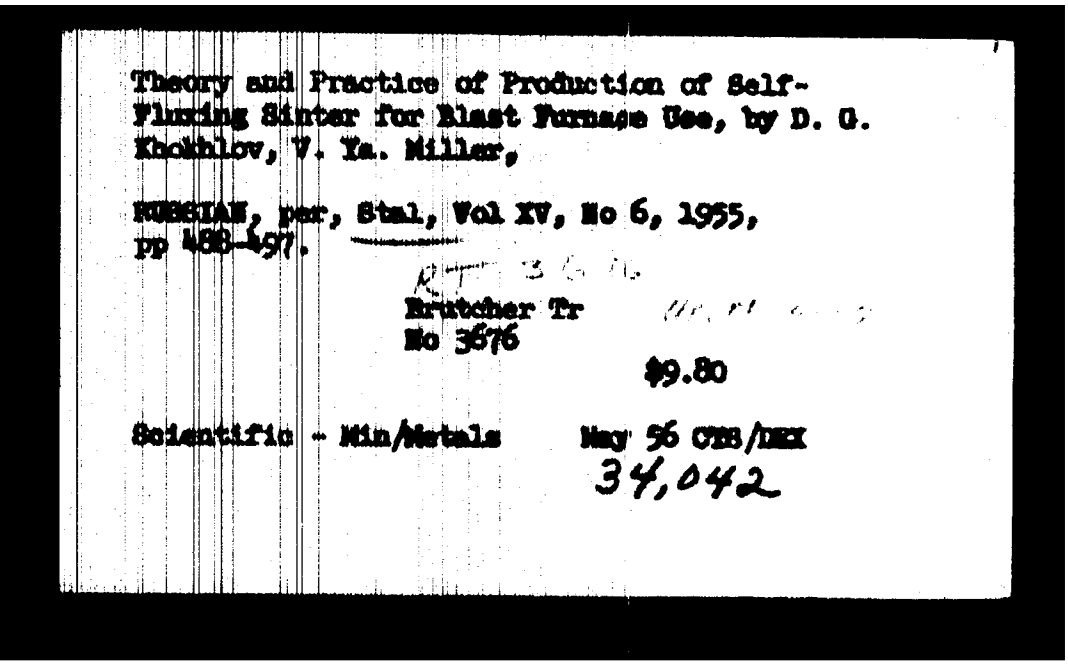
UKSM GB 12

May 58

63,851

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9



Theory and Practice of Production of Self-Fluxing Sinter for Blast Furnace Use, by D. G. Khokhlov, V. Ya. Miller,

RUSSIAN, per, Stal, Vol XV, No 6, 1955, pp 488-497.

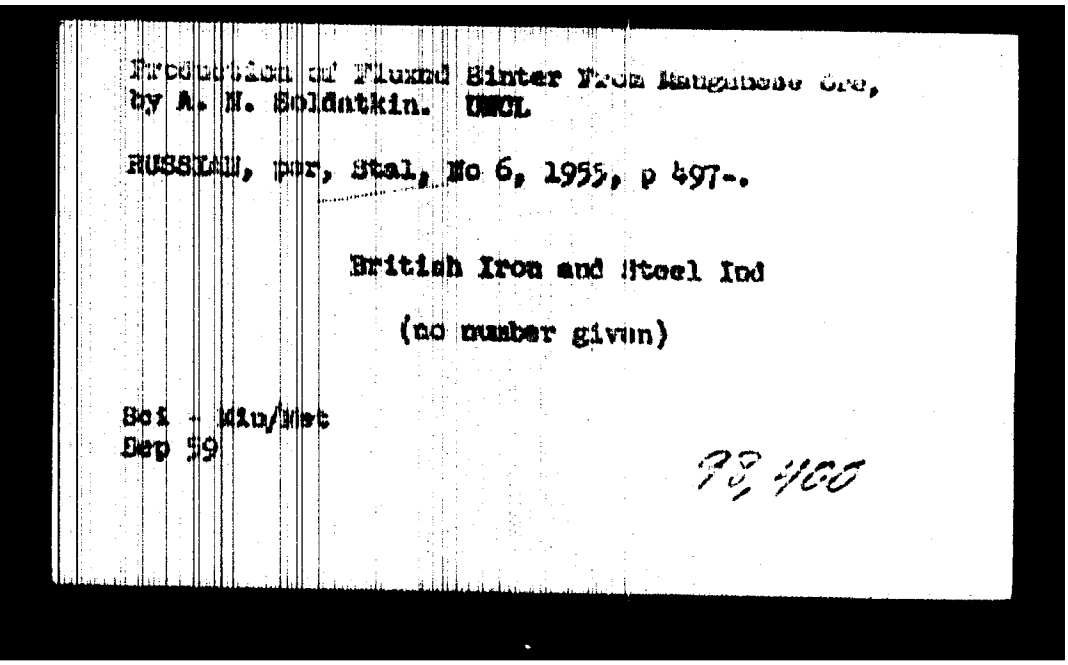
Kretchmer Tr
No 3676

$9.80

Scientific - Min/Metals May 56 CSB/DEK
34,042

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9



Production of Fluxed Sinter From Manganese Ore,
by A. N. Soldatkin. UMCL

RUSSIAN, per, Stal, No 6, 1955, p 497-.

British Iron and Steel Ind

(no number given)

Sci - Min/Met
Dep 59

75-100

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Deoxidation and Pouring of Bessemer Mail Steel,
by M. F. Kravets. USCL

RUSSIAN, pub, Stal, No 6, 1955, p 513.

British Iron and Steel Ind
(no number given)

Sol - Min/Met; Chem
Sep 59

98232

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Nonmetallic Inclusions in Ball-Bearing Steel, by P. M. Danilow. UNCL

RUSSIAN to GERMAN, per, Stal, Vol XV, 1955, pp 522-525.

Verein Deutscher Eisenhuettenleute
Duesseldorf
Breite Strasse 27
Germany

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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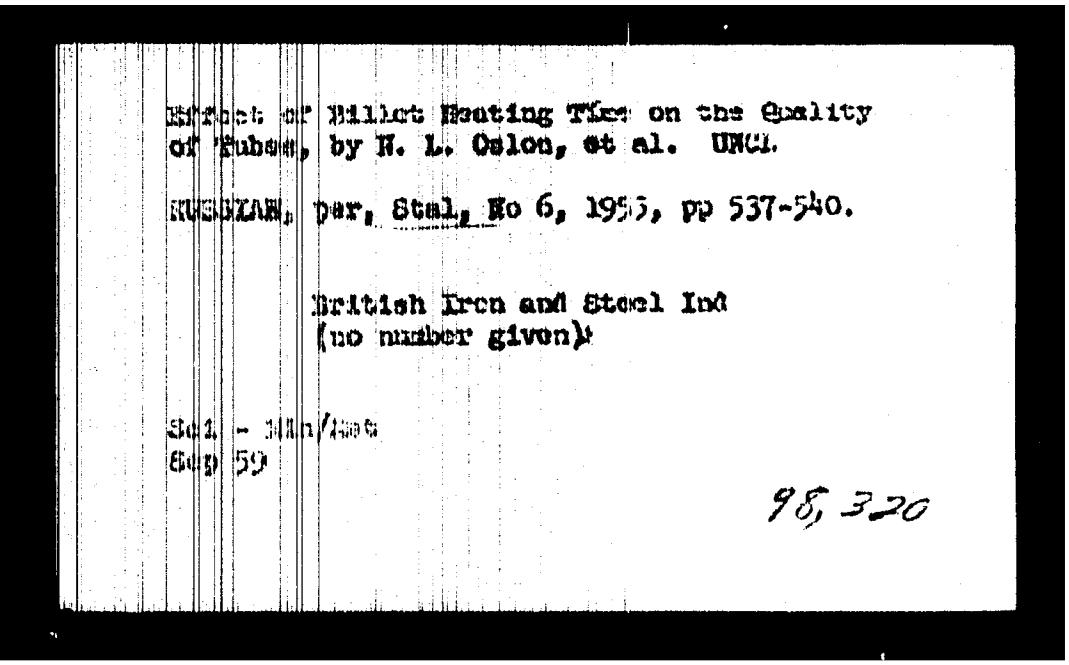

Effect of Billet Heating Time on the Quality of Tubes, by N. L. Oslon, et al. UNCL.

RUSSIAN, per, Stal, No 6, 1955, pp 537-540.

British Iron and Steel Ind (no number given)

Sol. - Min/Alloy
Dec 59

98,320

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

The Behaviour of Sulphure in Blast-Furnace Smelting and Ways of Reducing the Sulphur-Content of Pig Iron, by V. G. Vonkoboinikov.

RUSSIAN, per, Stal', Jul 1955, pp 583-591.

BISI 1592

Sci - Engr

Sep 60

127,205

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

The Evaluation of the Distribution of the Gas Stream From Gas Temperatures in the Gas-Off-Takes, by A. B. Shur.

RUSSIAN, per, Stal, No 7, 1955, pp 592-597.

Broken Hill Prop Co Ltd
(CRL/T.405)

Sci - Phys

191, 703

Apr 62

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Burning-in of a New Bottom in a Large All-Basic Open-Hearth Furnace, by V. O. Kulikov, I. I. Bornatskiy.

RUSSIAN, per, Stal', Vol XV, No 7, 1955, pp 597-600

Brutcher Tr 3531. 35,507

Sci - Engineering, Min/Metals

Jun 1956

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Influence of Conditions of Crystallization Upon Tears in Steel Ingots, by V. A. Efimov, et al.

RUSSIAN, per, Stal, Vol XV, No 7, 1955, pp 601-606.

Brutcher Tr 3644

Sci - Minerals/Metals, Chemistry

35,500

Jun 1956

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

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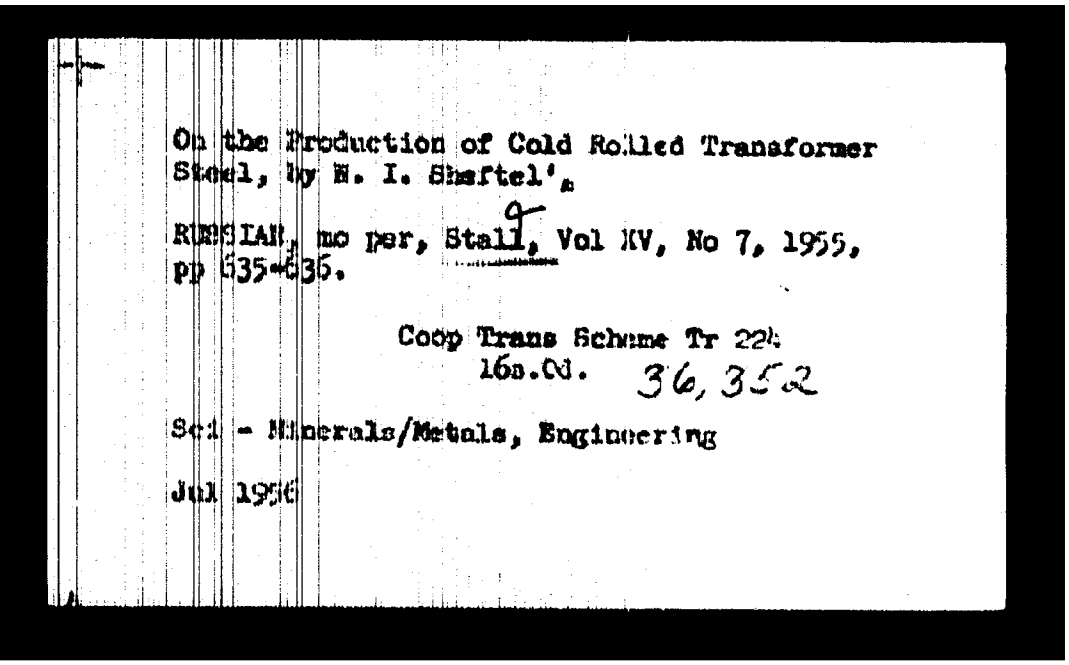

On the Production of Cold Rolled Transformer Steel, by M. I. Shaftel',

RUSSIAN, mo per, Stall, Vol XV, No 7, 1955, pp 635-636.

Coop Trans Scheme Tr 224
16p.Cd. 36,352

Sci - Minerals/Metals, Engineering

Jul 1956

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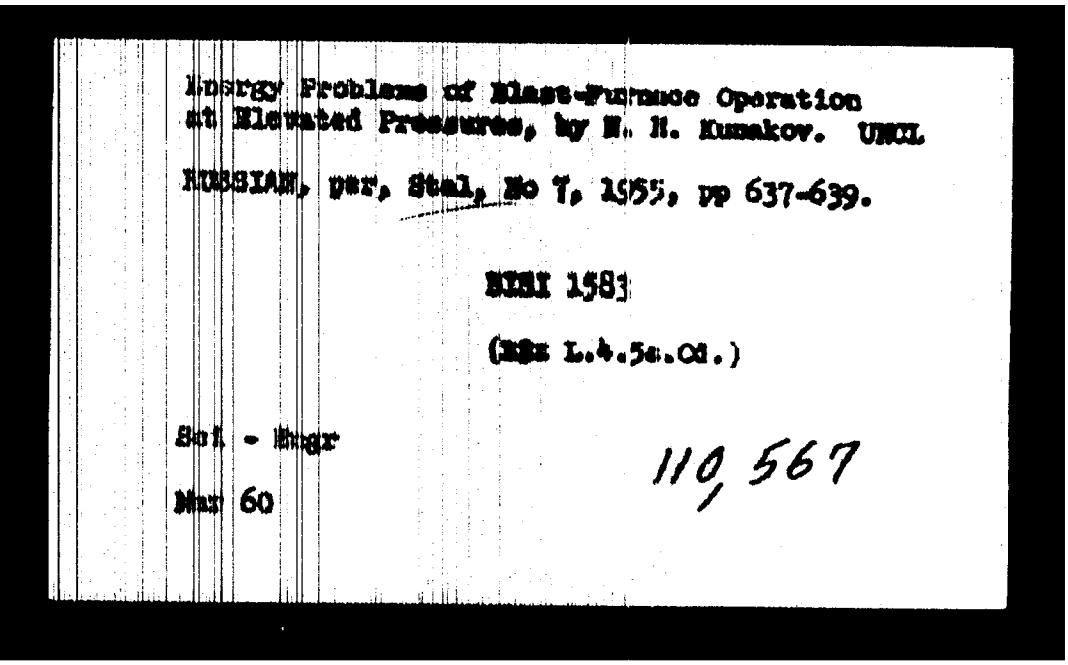

Energy Problems of Blast-Furnace Operation at Elevated Pressures, by N. N. Kunakov. USSR.

RUSSIAN, per, Stal, No 7, 1955, pp 637-639.

BMRI 1583

(BMx L.4.5a.Ol.)

Sol - Engr

Mar 60

110,567

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810044-9

Sur la Theorie de la Formation du Coke et de la Composition des Melanges, by S. G. Aronov, L. L. Nesterenko. UNCL

RUSSIAN to FRENCH, per, Stal, No 8, 1955, pp 678-687.

IRSID T 958
185, rue President-Roosevelt
St. German-en-Laye
Paris 16me

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